

009001-80208980

HD WT

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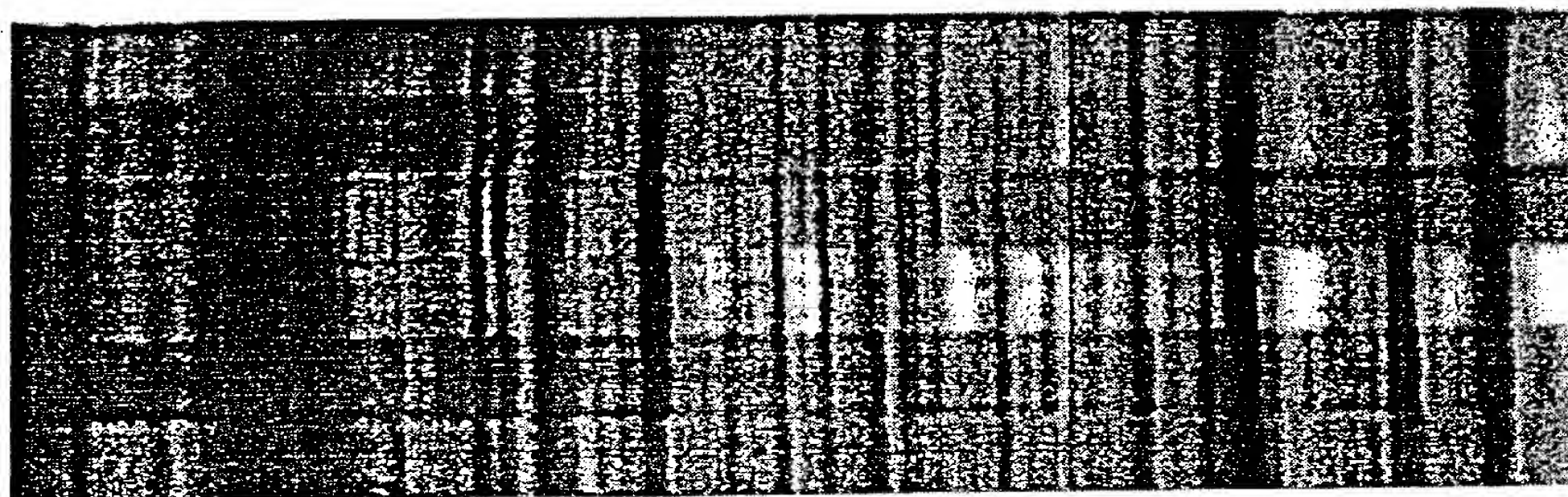


Figure 1

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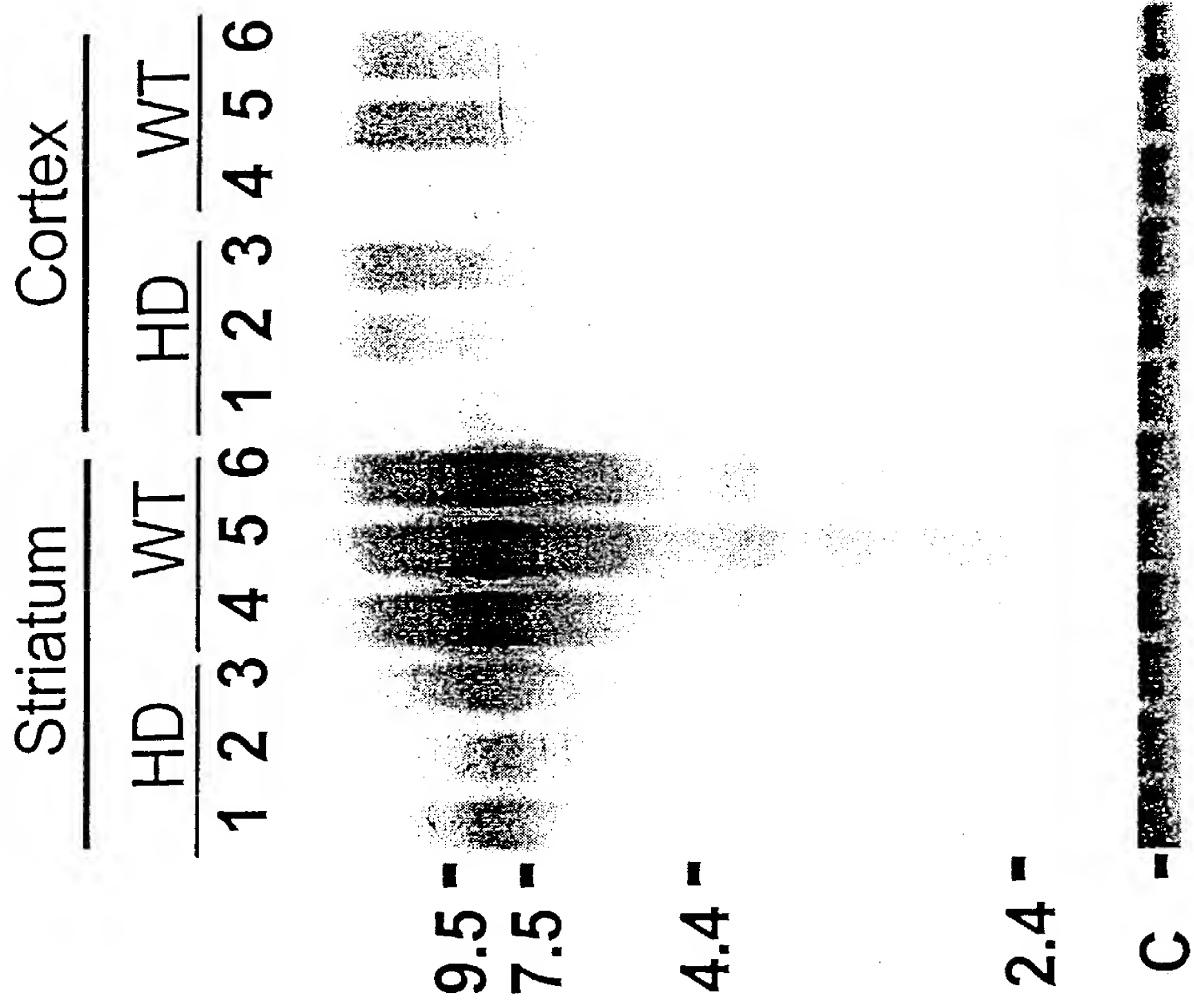


Figure 2

Figure 3

5' 11 21 31 41
 1 TGTATGGGAA TAGTGTTTCCATATGATCTGTTGTCTGGAGTATATGCTAC
 ACATACCCTTATCACAAAGGTATACTAGACAACAGACCTCATATACGATG
 probe 1

5' 61 71 81 91
 51 ATGTTCAATTTACTGTACAAAACCCAGTGCAGCTGATGATGCAAAGCAGT
 TACAAGTAAATGACATGTTTTTGGGGTCACGTCGACTACTACGTTTCGTCA

5' 11 21 31 41
 101 CTCTCTCTGTGTACAGTGCCCCACCTATTTAAAAATCACGTACTTGCCCA
 GAGAGAGACACATGTCACGGGGTGGATAAAATTTTAGTGCATGAACGGGT

5' 61 71 81 91
 151 GAACACTGTGAAACACTTAA CATAAGAACAACGCAGCGTCTGGATTCTT
 CTTGTGACAC TTTGTGAATTGTATTCTTGT TCGTCGCAGACCTAAGAA

5' 11 probe 2 21 31 41
 201 TCCAAGGAGAGCAGCTTTCTCCACAGGAACACAGTAACAAAAGAGGTCCG
 AGGTTCCCTCTCGTCGAAAGAGGTGTCCTTG TGTCAATTGTTTCTCCAGGC

5' 61 71 81 91
 251 CCGCCATCCACACCCAGCCAAGACACCTCAGAGGCCATAGGGACAACCTC
 GGCGGTAGGTGTGGGTCGGTTCTGTGGAGTCTCCGGTATCCCTGTTGGAG

5' 11 21 31 41
 301 CTTGCTGGCCAACACCTGCTGGAGCAGGGGCACAGGTCCCAGCAACTGAT
 GAACGACCGGTTGTGGACGACCTCGTCCCCGTGTCCAGGGTCGTTGACTA

5' 61 71 81 91
 351 CCTCAGTGGA TGGGTCTGCAGCCAAAGCCTTAATGGGCTCTCTTTTGAAG
 GGAGTCACCTACCCAGACGT CGGTTTCGGAATTACCCGAGAGAAAACCTC

5' 11 21 31 41
 401 GGGAAAGAAAGAATTTCAAGCTTATGATATCCAATATTATTATAGTTGAT
 CCCTTTCTTTCTTAAAGTTCGAATACTATAGGTTATAATAATATCAACTA

5' 61 71 81 91
 451 GAGTTAGTAAATTCCAAAAA
 CTCAATCATTTAAGGTTTTTTTTT

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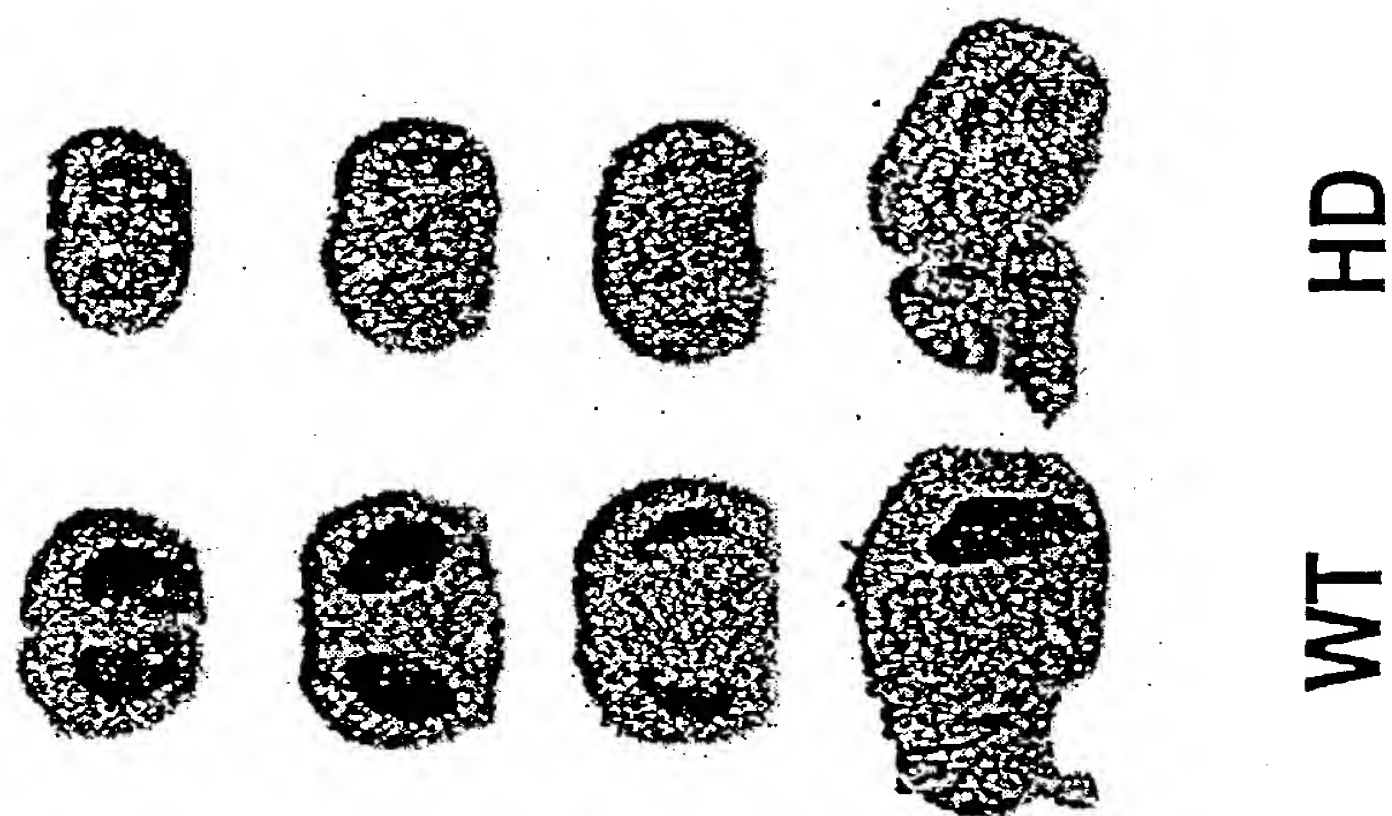


Figure 4

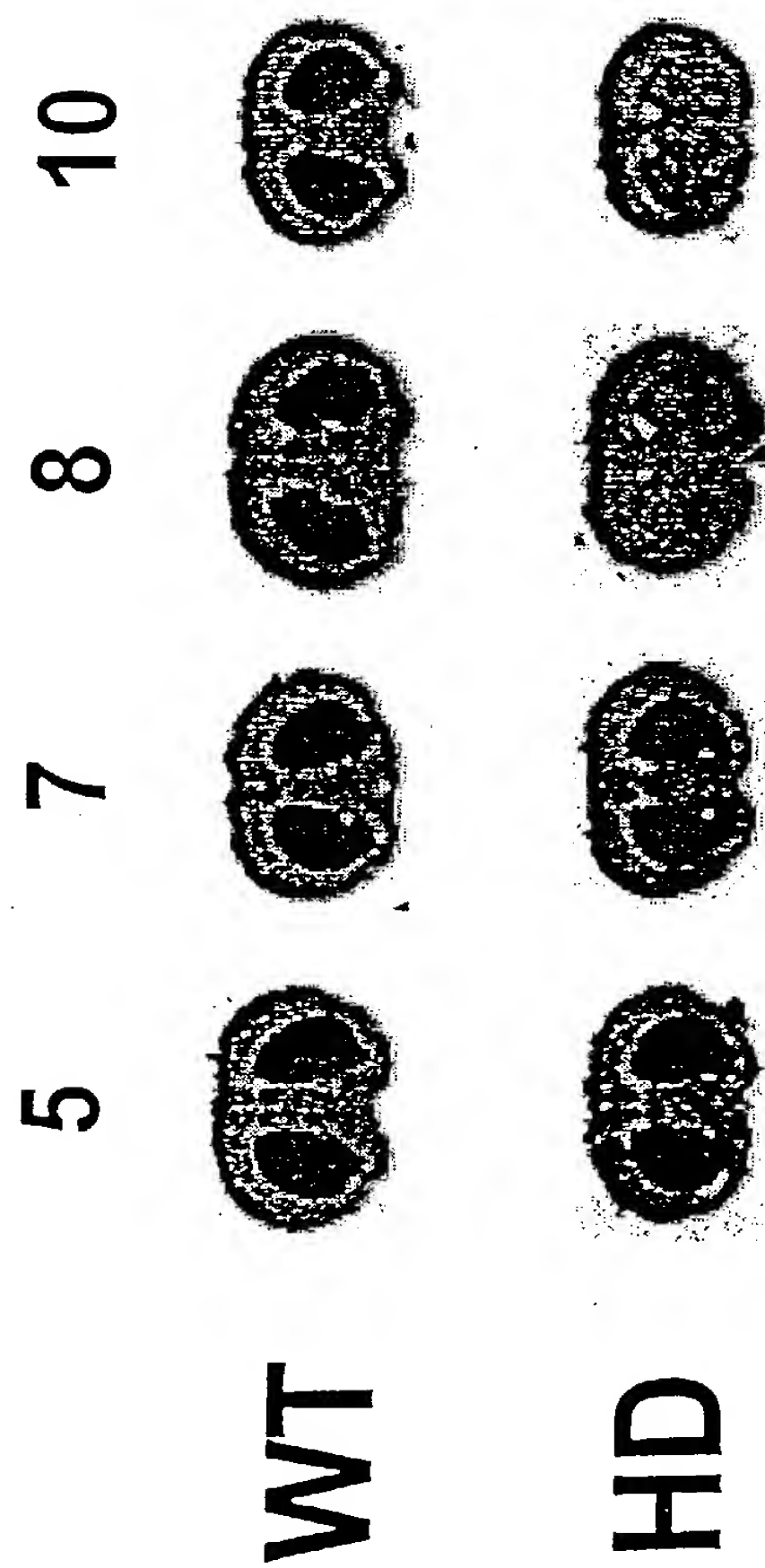


Figure 5

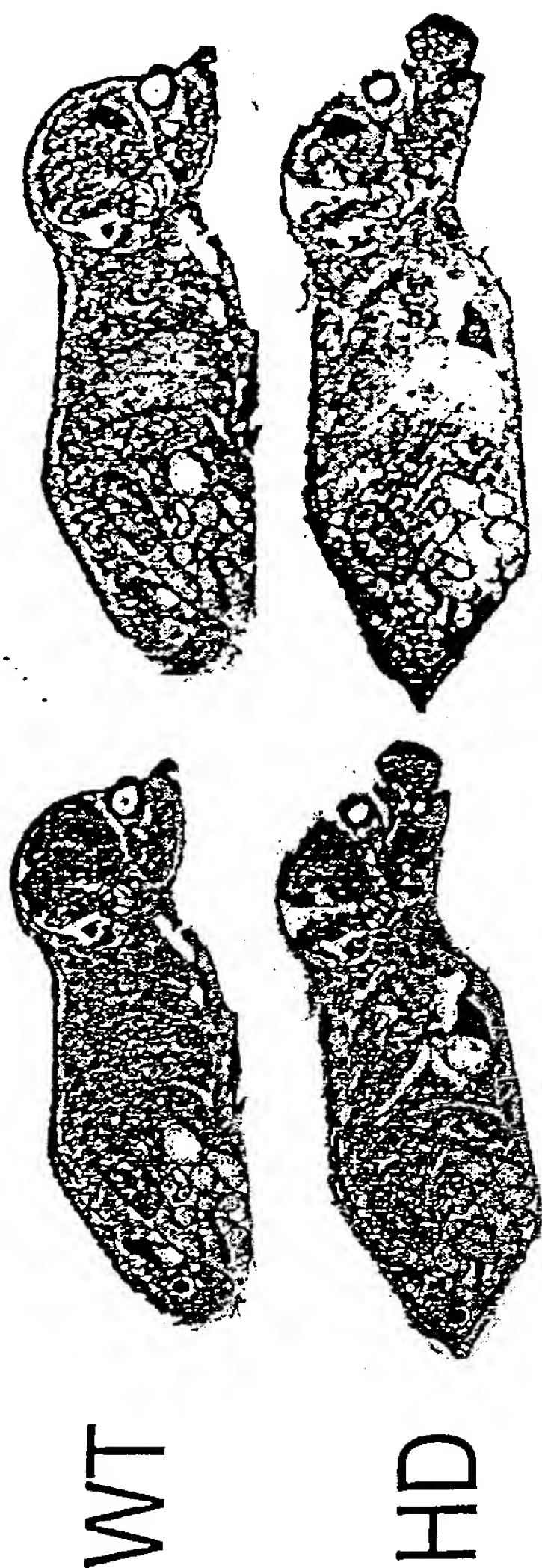


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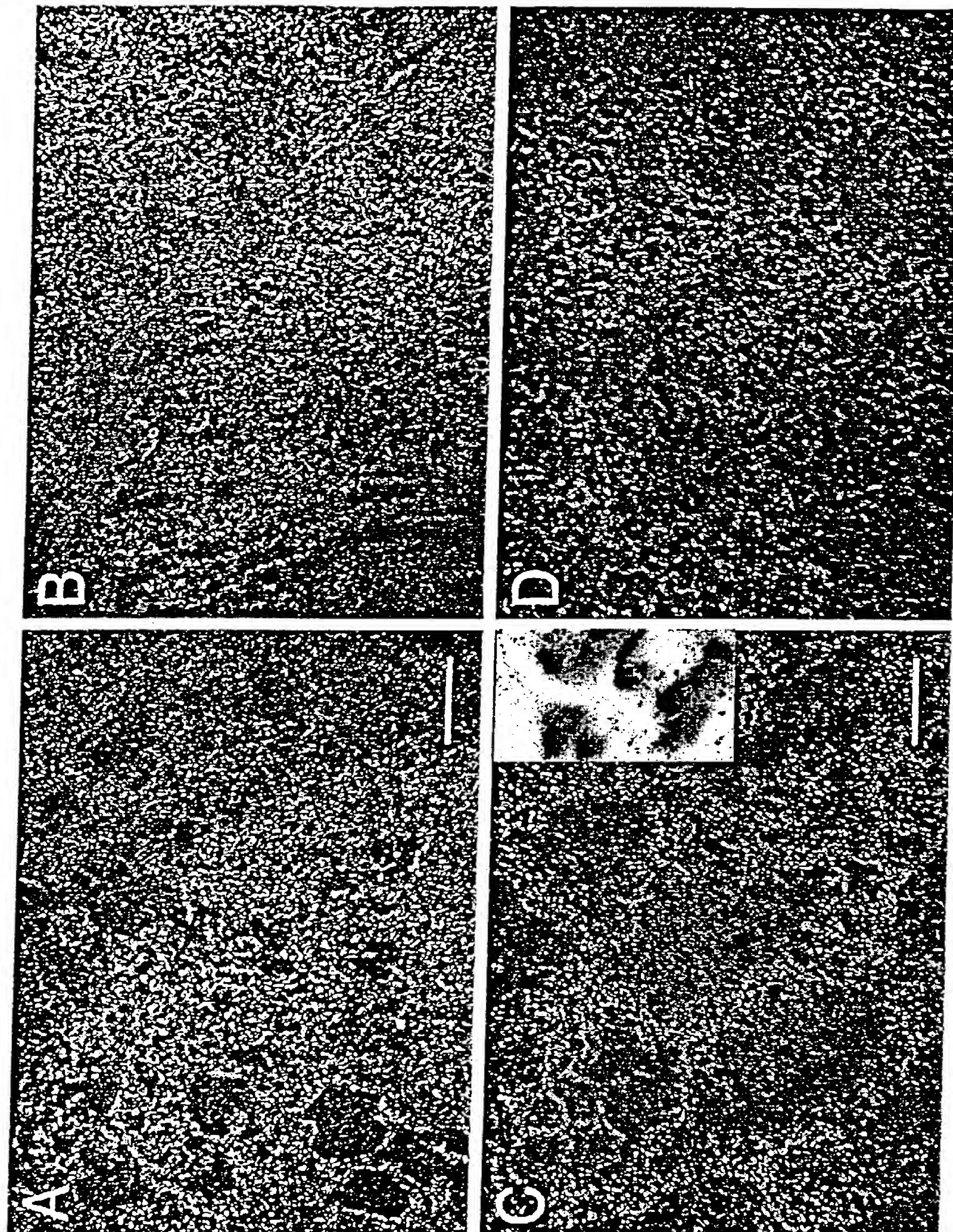


Figure 7

This series of four micrographs illustrates the stages of cell division. The first image shows a single cell with a prominent nucleus. The second image shows the cell beginning to divide, with the nucleus starting to condense. The third image shows the cell in the process of cytokinesis, with the cytoplasm beginning to pinch. The fourth image shows four distinct daughter cells, each with its own nucleus, resulting from the division.

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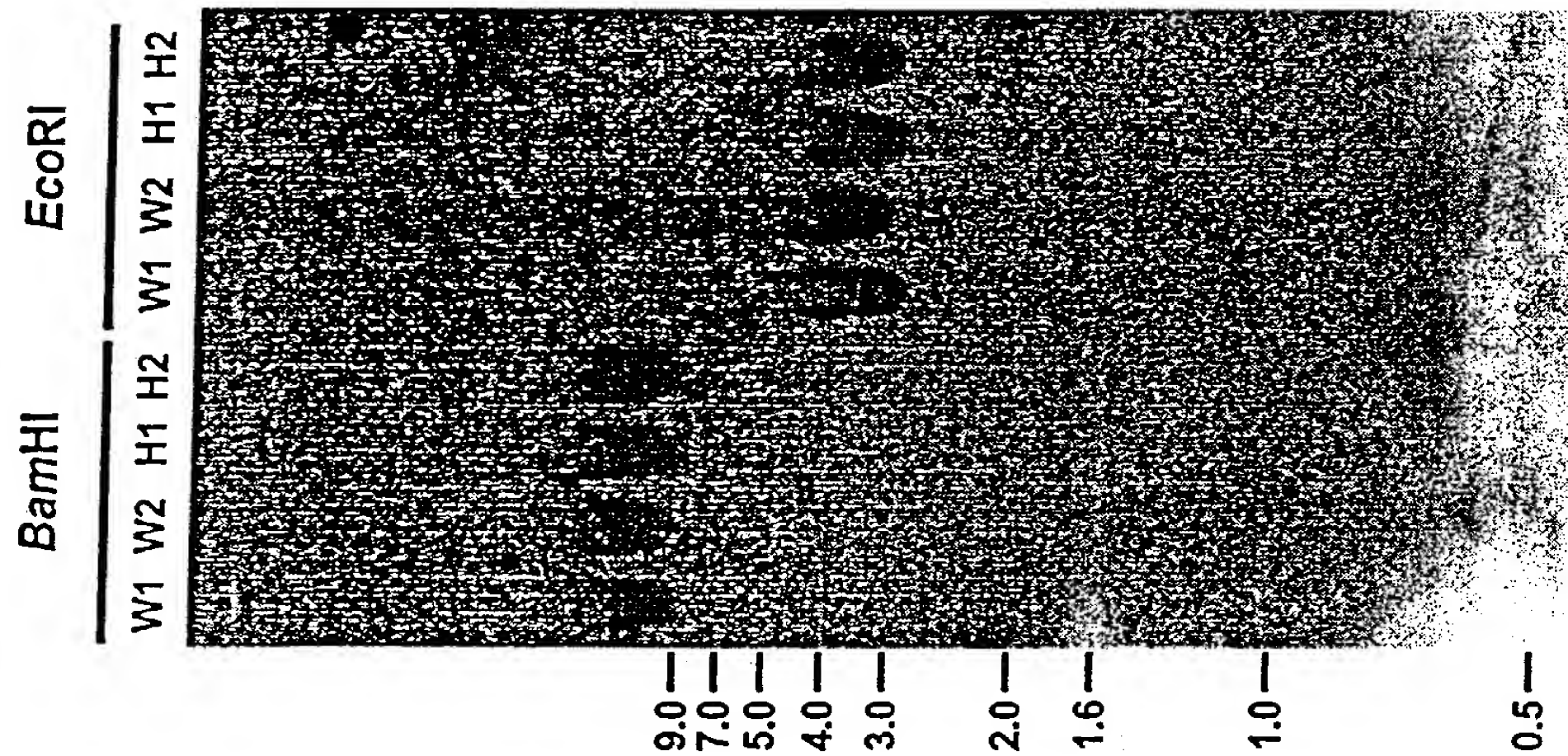


Figure 9

Figure 10

5' 11 21 31 41
 1 CACTGAAGCTGGTCCACGTC TATAAACAGG TGACACTGGCTGCAGCAAAA
 GTGACTTCGA CCAGGTGCAGATATTTGTCCACTGTGACCGACGTCGTTTT

5' 61 71 81 91
 51 AGCCATTTCGA TCCACACAAA TTGATCTTCTATCATCTTGGGAATCTGAATT
 TCGGTAAGCTAGGTGTGTTTAACTAGAAGATAGTAGAACC TTAGACTTAA

5' 11 21 31 41
 101 GCAGGGAGGAGCAGTATGTAAGACGACCGTTTAATTCAGGCATTCCGAAG
 CGTCCCTCCTCGTCATACATTCTGCTGGCAAATTAAGTCCGTAAGGCTTC

5' 61 71 81 91
 151 GCATGAGCGCATGGATTCTGT CACCAAGCGTATAAAAGGA CCCTGGCATT
 CGTACTCGCGTACCTAAGACAGTGGTTCGCATATTTTCCTGGGACCGTAA

5' 11 21 31 41
 201 GGGAAACCTATGACGGACTGTTTTTGCTGTAGAAGTAGGGATTTTACAGA
 CCCTTTGGATACTGCCTGACAAAAACGACATCTTCATCCCTAAAATGTCT

5' 61 71 81 91
 251 AGTCTCCTTGAATTTGCCCTGCCTGGGGCAGTTTTGCAGAGGAACCTGCC
 TCAGAGGAAC TTAACGGGACGGACCCCGT CAAACGTCTCCTTGGACGG

5' 11 21 31 41
 301 AGAGATTTAT TGGCTGGTCAGTCTCTTGTGAAATAGTATCATGTGAGAAA
 TCTCTAAATAACCGACCAGT CAGAGAACAC TTTATCATAGTACACTCTTT

5' 61 71 81 91
 351 CAGTTTGTAGAAAAAACTA TACCTGGGAAGACCTTTGCAACATTGTTCC
 GTCAAACATCTTTTTTTTGATATGGACCCTTCTGGAAACGTTGTAACAAGG

5' 11 21 31 41
 401 TTCCATGGGCAAGACTCAGTTAGGAGGCA TAAATCTGCC CGGAATAAAC
 AAGGTACCCGGTTCTGAGTCAATCCTCCGTATTTAGACGGGCGCTTATTG

5' 61 71 81 91
 451 TAGGCCAGGATACAGCCATGTTTAGTTAATAATTTGGTTTTAGAAATTCAC
 ATCCGGTCCTATGTCGGTACAAATCAATTATTAAACCAAAATCTTAAGTG

5' 11 21 31 41
 501 ACAGGCAGGATTGGTTTTTTTTGTGTCTTGG CAAGTGGAGCATATTTAACA
 TGTCCGTCCTAACCAAAAAACACAGAACC GTTCACCTCGTATAAATTGT

5' 61 71 81 91
 551 TACAGGCATGGGAATCCTGC CTCTTAGCTTTTCCCACCCTCTTGTCTCAC
 ATGTCCGTAC CCTTAGGACGGAGAATCGAAAAGGGTGGGAGAACAGAGTG

5' 11 21 31 41
 601 CAAGTTTTTTCTCTCCAAAGGTTTCCAGGAATTTCTCATTAATGGCTGAT
 GTTCAAAAAAGAGAGGTTTC CAAAGGTCCTTAAAGAGTAATTACCGACTA

Figure 10 continued

5' 61 71 81 91
651 GCAAACCTTAGTGAATAATAATGAATATAAA CAATGCTCAC CTCACCAAAA
CGTTTGAATCACTTATTATTACTTATATTT GTTACGAGTG GAGTGGTTTT

5' 11 21 31 41
701 TTATATTATTTGTCAGTCATT TGTGATAACA CAAATTTTAT CGCAATGGTT
AATATAATAAACGTCAGTAAACACTATTGTGTTTAAAATAGCGTTACCAA

5' 61 71 81 91
751 ATTATTTAATTTGTGGCCACACACTGTGGT TATCTTTTGT TGTGGTTGTT
TAATAAATTAAACACCCGGTG TGTGACACCAATAGAAAACAACACCAACAA

5' 11 21 31 41
801 TCTGAGAAAAATGTTCTTGGATATGTAAGTG CCAATACCAGTGTGAAGTAT
AGACTCTTTTACAAGAACCTATACATTCACGGTTATGGTCACACTTCATA

5' 61 71 81 91
851 TGATCCCGGG CAGCAAAATA CAGCCTAAGG TTTGTAAACATCAATTCTAT
ACTAGGGCCCCGTCGTTTTATGTCGGATTCCAACATTTGTAGTTAAGATA

5' 11 21 31 41
901 CTCAGTTCATCAGAGGGCCTGAGAAGCTGC GGGGCAGTGTAAAGTAAAGT
GAGTCAAGTAGTCTCCCGGACTCTTCGACG CCCCCTCACATTTTCATTTCA

5' 61 71 81 91
951 ATGCTGGGCTGGTGGTGGTCAGCCTCCCGC CTGAAGAGTGACCAGTGCTG
TACGACCCGACCACCACCAGTCGGAGGGCGGACTTCTCACTGGTCACGAC

5' 11 21 31 41
1001 GCCCGACGGATCGCTGAGATATTCTCCCAT AATGGCAAAAAAATAGGCAG
CGGGCTGCCTAGCGACTCTATAAGAGGGTATTACCGTTTTTTTATCCGTC

5' 61 71 81 91
1051 TTTGATGTGACCTGTTTAGTGTGGCTCTCCTCTTTTGAGCATGTGTTAGC
AAACTACACTGGACAAATCA CACCGAGAGGAGAAAAC TCGTACACAATCG

5' 11 21 31 41
1101 ATTTTATTTTATACTCATC CAGTGAAC TCTGCTCTTCCAAGTGTGTTCA
TAAAAATAAAATATGAGTAGGTC ACTTGAGACGAGAAGGTTACACAAGT

5' 61 71 81 91
1151 TGTATGTGCTAGATATATTA GCACAGCCTGCCTTCTGCTG CACAACGCCT
ACATACACGATCTATATAATCGTGTGCGACGGAAGACGACGTGTTGCGGA

5' 11 21 31 41
1201 TAGAGACCCGGCCTTTCAATGAGCTTAGCTTGTGCTCTGTTTCTGCTCTC
ATCTCTGGGC CGGAAAGTTACTCGAATCGAACACGAGACAAAGACGAGAG

5' 61 71 81 91
1251 TTAGGTCTAAACTATGGTGT CAGTTTTAATAGAACAAAAGTATGCATCTT
AATCCAGATTTGATACCACAGTCAAATTA TCTTGTTTTTCATACGTAGAA

Figure 10 continued

5' 11 21 31 41
1301 GCCTTGGCTTGAGCCTTTTCGTTTTCAATGCTGACTTCTCCCTTTCTCT
CGGAACCGAACTCGGAAAAGCAAAGTTACGACTGAAGAGGGGAGAGAGA

5' 61 71 81 91
1351 CCTGTGCTCACCTTACCTTTCCAGAGTGTAAGGGACAACCTTTAAGGAGG
GGACACGAGTGGAATGGAAAGGTCTCACATTCCTGTGAAAATTCCTCC

5' 11 21 31 41
1401 CGTGTCCCTGGTAGGGGCATCCCTGTTCCACAGGTGCCTGTCATCACCCC
GCACAGGGACCATCCCCGTAGGGACAAGTGGTCCACGGACAGTAGTGGGG

5' 61 71 81 91
1451 ACTTGACTGACATCTACCCTGGTGACTATGGGTTCTCTTGTGTTGTAGGG
TGAAGTACTGTAGATGGGACCACTGATACCCAAGGAGAACAAACATCCC

5' 11 21 31 41
1501 AACGGTGGCTCCAGGTGGAGGCATCAATCTGTTGGGTTCTGGTTCCCGGC
TTGCCACCGAGGTCCACCTCCGTAGTTAGACAACCCAAGACCAAGGGCCG

5' 61 71 81 91
1551 TGCCTTTGGTTTTTGAAAGTCTCTTCTCTGTATATTCCTACCCTGCATTTG
ACGGAAACCAAACTTTCAGAGAAGAGACATATAAGGATGGGACGTAAAC

5' 11 21 31 41
1601 CTTTGTGTGGTGCTGATGCTGTGCGCAGTAGGATTCTTGGATGACTCTCC
GAAACACACCACGACTACGACACGCGTCATCCTAAGAACCCTACTGAGAGG

5' 61 71 81 91
1651 ATCAGTCACAGACTCCCCCTGTTGCAAAGTGTGAGGCTGACTCGACAGTC
TAGTCAGTGTCTGAGGGGGACAACGTTTCAAGTCCGACTGAGCTGTCAG

5' 11 21 31 41
1701 ACCGTAAAATCTGAGTCAGTCACACACAGGCTGTCAGCCACGGCTTCCAC
TGGCATTTTAGACTCAGTCAGTGTGTGTCCGACAGTCGGTGCCGAAGGTG

5' 61 71 81 91
1751 TTGCATGGCTATTCTATTTTTCACACGTGAGTTTCTGTTGCTGGCTGGCTG
AACGTACCGATAAGATAAAAGTGTGCACTCAAAGACAACGACCGACCGAC

5' 11 21 31 41
1801 ACTGGCATTATCTATGCTAAGTTGAAATCAGGAGTGCCCAGCAGAGCCCA
TGACCGTAATAGATACGATTCAACTTTAGTCCTCACGGGTCTCTCGGGT

5' 61 71 81 91
1851 TCATTCTCACGTCTTTGAAACAAAGCTGTACGGTTTGATCGATGAACGT
AGTAAGAGTGACAGAACTTTGTTTTCGACATGCCAAACTAGCTACTTGCA

5' 11 21 31 41
1901 ATTTAAAGCAATTCATGCAATGACAAAGTGCTCAGTAGTGGGAAGGCAGGC
TAAATTTTCGTAAAGTACGTTACTGTTTCACGAGTCATCACCTTCCGTCCG

Figure 10 continued

5' 61 71 81 91
1951 TGTGACCAGTCTGCCTGCTCCTTACTATAATTGTGAGGATTTGTTACTGG
ACACTGGTCAGACGGACGAGGAATGATATTAACTCCTAAACAATGACC

5' 11 21 31 41
2001 AACAGTACATGGAGGCCTGACCTTGTGGGGGCACAGGGTGAACCTTAGC
TTGTCATGTACCTCCGGACTGGAACACCCC CGTGTCCCACCTTGGAATCG

5' 61 71 81 91
2051 TGAATATAGTGTGTGTCTCAAGAGGAAGTCAGGGTACTAGCTCAGTGCTC
ACTTATATCACACAGAGTTCTCCTTCAGTCCCATGATCGAGTCACGAG

5' 11 21 31 41
2101 AATCTCCAGGTACTATATATACATTTGCCCGTTTTATCTCTAATGTGAAA
TTAGAGGTCCATGATATATATGTAAACGGGCAAAATAGAGATTACACTTT

5' 61 71 81 91
2151 TAAATCCCCAAACACTTGTTTATCGTGTAGCGTACCTAAAAGACTATTCT
ATTTAGGGGTTTGTGAACAAATAGCACATCGCATGGATTTTCTGATAAGA

5' 11 21 31 41
2201 ATTATGGGTGTCCCCACTTTCTTGGTTTGGTCACCCCGATCCCCCGGTCT
TAATACCCACAGGGGTGAAAGAACCAAACCAGTGGGGCTAGGGGGCCAGA

5' 61 71 81 91
2251 TCTGCTGTATCTAGAACAGTGACTATAAATGATGTATGGGAATAGTGTTT
AGACGACATAGATCTTGTCACTGATATTTACTACATACCTTATCACAAA

5' 11 21 31 41
2301 CCATATGATCTGTTGTCTGGAGTATATGCTACATGTTCAATTACTGTACA
GGTATACTAGACAACAGACCTCATATACGATGTACAAGTTAATGACATGT

5' 61 71 81 91
2351 AAAACCCAGTGCAGCTGATGATGCAAAGCAGTCTCTCTCTGTGTACAGTG
TTTTGGGTCA CGTCGACTACTACGTTTCGT CAGAGAGAGACACATGTCAC

5' 11 21 31 41
2401 CCCACCTATTTAAAAATCACGTACAASCC CAGAACACTGTGAAACACTT
GGGGTGGATAAATTTTTAGTGCATGTTSGGGTCTTGTGACACTTTGTGAA

5' 61 71 81 91
2451 AACATAAGAA CAAACGCAGCGTCTGGATTCTTTCCAAGGAGAGCAGCTTT
TTGTATTCTTGTTTGCGTCGCAGACCTAAGAAAGGTTCTCTCGTCGAAA

5' 11 21 31 41
2501 CTCCACAGGAACACAGTAACAAAAGAGGTC CGCCGCCATC CACACCCAGC
GAGGTGTCCTTGTGTCATTGTTTTCTCCAGGCGGCGGTAGGTGTGGGTCTG

5' 61 71 81 91
2551 CAAGACACCTCAGAGGCCATAGGGACAACCTCCTTGCTGGCCAACACCTG
GTTCTGTGGAGTCTCCGGTATCCCTGTTGGAGGAACGACCGGTTGTGGAC

Figure 10 continued

5' 11 21 31 41
2601 CTGGAGCAGGGGGCACAGGTC CCAGCAACTGATCCTCAGTG GATGGGTCCG
GACCTCGTCC CCGTGTCCAG GGTCTGACTAGGAGTCAC CTACCCAGGC

5' 61 71 81 91
2651 CAGTCAAAGC CTTAATGGGC TCTCTTTTGAAGGGGAAAGAAAGAATTTC
GTCAGTTTTCGGAATTACCCGAGAGAAAAC TCCCCTTTCTTTCTTAAAGT

5' 11 21 31 41
2701 AGCTTATGATATCCAACATTATTATAGTTGATGAGTTAGTAAATTCCAAA
TCGAATACTATAGGTTGTAA TAATATCAACTACTCAATCATTTAAGGTTT

5' 61 71 81 91
2751 AAAAAAAGATGATTTTATATGTATGACATAAAAAAATCTTTGTAAAGTG
TTTTTTTCTACTAAATATACATACTGTATTTTTTTTAGAAACATTTCAC

5' 11 21 31 41
2801 CGCAAGTGCAATAATTTAAAGAGGTCTTATCTTTGCATTTATAAATTATA
GCGTTCACGT TATTAAATTTCTCCAGAATAGAAACGTAAATATTTAATAT

5' 61 71 81 91
2851 AATATTGTACATGTGTGTAA TTTTTCATGTATTCATTTGCAGTCTTTGTA
TTATAACATGTACACACATTAAAAAGTACATAAGTAAACGTCAGAAACAT

5' 11 21 31 41
2901 TTTAAAAAACTTTACTGTTATGTTTGTATAATAGAACATTAATCATTTA
AAATTTTTTTTGAAATGACAA TACAAACATA TTATCTTGTAATTAGTAAAT

5' 61 71 81 91
2951 TTATAACTCAGACAAGGTGTAAATAAATTCATAATTCAAACAGCCAGTAT
AATATTGAGTCTGTTCCACA TTTATTTAAGTATTAAGTTTGTCCGGTCATA

5' 11 21 31 41
3001 ATATGCATATATGGGTGTTACATTGCAAAAATCTCTATCTTTGTTCTATT
TATACGTATATACCCACAATGTAACGTTTTTAGAGATAGAAACAAGATAA

5' 61 71 81 91
3051 CACATGCTTAAAGAAGTAAGAAATCTTTTG TGGATATGTAATTATACATA
GTGTACGAATTTCTTCATTC TTTAGAAAACACCTATACATTAATATGTAT

5' 11 21 31 41
3101 TAAAGTATATATATATGTATGATACATGAAATATATTTAGAAATGTTTCAT
ATTCATATATATATACATACTATGTACTTTATATAAATCTTTACAAGTA

5' 61 71 81 91
3151 AATTTTAATGGATATTCTTTGGTGTGAATAATTGAATACAACATTTTAA
TTAAAATTACCTATAAGAAACACACTTATTAACCTTATGTTGTAAAAATT

5' 11 21 31 41
3201 AATGAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
TTACTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT



Figure 11
3236 bp

Figure 12

5' 11 21 31 41
1 AAGTGTAATAAAAATAACA TCTAATAAAAAAATTACATACCATAGAGG
TTCACATTTA TTTTATTTGTAGATTATTTT TTTTAATGTA TGGTATCTCC

5' 61 71 81 91
51 AACAAAGATAA TTTCTGCCCAACTTCATACC CTCCAGCGTA TAGTGTTGAG
TTGTTCTATTAAAGACGGGT TGAAGTATGG GAGGTCGCATATCACAACCTC

5' 11 21 31 41
101 GTTTGGTCTG TTGCTGTGTA TTGTAATGTAATGTTAAATT CTCTACCTGA
CAAACCAGACAACGACACATAACATTACATTACAATTTAAGAGATGGACT

5' 61 71 81 91
151 AGGTCTAGGC CTACAAGTGAATTCTCATGTTTATAGAGTTT TGTGTGCA
TCCAGATCCGGATGTTCACTTAAGAGTACA AATATCTCAAACAACACGT

5' 11 21 31 41
201 AACCTTGTTCTTAAATTTAAAACTATGGTTAAAAAACAAAACAAAACCTGG
TTGGAACAAGGAATTAAATTTTGATACCAATTTTTTTGTTT TGTTTTGACC

5' 61 71 81 91
251 CTACAGCCAA TAACTGAAGGGGGTTACCTTGTTGAAGGGGTGGAAAAGAG
GATGTCGGTTATTGACTTCC CCAATGGAA CAACTTCCCCACCTTTTCTC

5' 11 21 31 41
301 AGAGGAGGAAGAAGGGAGTTCAAGAGAAGGAGAAGAACAAGAGGAGAGGA
TCTCCTCCTTCTTCCCTCAAGTTCTCTTCTTCTTGTTCCTCTCCT

5' 61 71 81 91
351 GGAAGCTGCCACGAGGGGAGATGGGCCATGAGA ACTTGGC CAGGAGAAAT
CCTTCGACGGTGCTCCCCTCTACCCGGTACTCTTGAACCGGTCCTCTTTA

5' 11 21 31 41
401 AGCCAGTATCTGGAGTACAC CACTGAGGAGGTAGCCAGGCTAGCAGTTAG
TCGGTCATAGACCTCATGTGGTGACTCCTCCATCGGTCCGATCGTCAATC

5' 61 71 81 91
451 AAGAGTAGATTAGGGGGTTATTTTCCCCCACTCCACATAGTTATCAAAGC
TTCTCATCTAATCCCCAATAAAAAGGGGGTGAGGTGTATCAATAGTTTCG

5' 11 21 31 41
501 CAAATAAAATAACCATAGTCTGAGTCTCATCTATTTGTAAGCTAGTTGGG
GTTTATTTTATTGGGTATCAGACTCAGAGTAGATAAACATT CGATCAACCC

5' 61 71 81 91
551 TATAAGATTAATTTGGCTGTACTACAGTTTAGATTTCTAA CATAGGAACT
ATATTCTAATTAAACCGACATGATGTCAAATCTAAAGATTGTATCCTTGA

5' 11 21 31 41
601 ATCAAAAACCTTGCTCAAACAAGAACATGCTGACAATATTTTAAAATGATT
TAGTTTTTGAACGAGTTTGTCTTGTACGACTGTTATAAAATTTTACTAA

Figure 12 continued

5' 61 71 81 91
651 ATTTATATTGTTTGCACTTTCTAAAGTTTCTTCTAAATGTTCCATGGTCA
TAAATATAACAAACGTGAAAGATTTCAAAGAAGATTACAAAGGTACCACT

5' 11 21 31 41
701 AATTAAAAAATATACATATTGGCTATTAAATTCGTCTAAGTGGGGCTGGA
TTAATTTTTTATATGTATAACCGATAATTTAAGCAGATTACACCCGACCT

5' 61 71 81 91
751 GAGATAGCTCAGAGGTTAAGAGCACTGACTGCTCTTCCAGAGGTCCTGAG
CTCTATCGAGTCTCCAATTCCTCGTGACTGACGAGAAGGTCTCCAGGACTC

5' 11 21 31 41
801 TTCAATTCCCAGCGACCACATGGTGGCTCACAGCCATCTGTAATAGATAG
AAGTTAAGGGTCGCTGGTGTACCACCGAGTGTCGGTAGACATTATCTATC

5' 61 71 81 91
851 GATCTGACGCCCTCTTCTGGAGTGTCTGAAGACAGCTACAATGTACTCAT
CTAGACTGCGGGAGAAGACCTCACAGACTTCTGTCTGATGTTACATGAGTA

5' 11 21 31 41
901 ATATATTAAATAAATAATATTAGAAAATTCCTTCTAAGTGTATCATTTATA
TATATAATTTATTTATTATAATCTTTTAAGAAGATTACATAGTAAATAT

5' 61 71 81 91
951 GAATATTTAATATATAAAGTAAATGCCTCAGGAAATATAAACTTGGAATT
CTTATAAATTATATATTTCAATTTACGGAGTCCTTTATATTGTAACCTTAA

5' 11 21 31 41
1001 AAATCAAAGAACTTCATGAGTAGTGGGCCACAAAAAATGTGTACCAGGGG
TTTAGTTTCTTGAAGTACTCATCACCCGGTGTTTTTTACACATGGTCCCC

5' 61 71 81 91
1051 AAGACCGGAGGGAGGGGAGAAGGAAGGGATGGAGATAGAA TTTTGCCTCT
TTCTGGCCTCCCTCCCCTCTTCCTTCCCTACCTCTATCTTAAAACGGAGA

5' 11 21 31 41
1101 GCATTCCTTGGGCTGGCACAGGTATAATGCTGTGGGAATTGGGAAACTAC
CGTAAGGAACCCGACCGTGTCCATATTACGACACCCTTAACCCCTTTGATG

5' 61 71 81 91
1151 AAGGAAGCTGCAAAGCTGGGCGGAACCTCGTTTCCGCAAGCTGGGCTCATC
TTCCTTCGACGTTTCGACCCGCCTTGAGCAAAGGCGTTCGACCCGAGTAG

5' 11 21 31 41
1201 TAAGTGTCCATGCATGGCTGCCACACTGCAGTGAACCTTAAAACATTTGT
ATTCACAGGTACGTACCGACGGTGTGACGTCACTTGAAATTTTGTAACA

5' 61 71 81 91
1251 GTTCCAGAGATGTAGAGATGCTCACAATAGTACAAAGGCGGGAGGGAGGT
CAAGGTCTCTACATCTCTACGAGTGTTATCATGTTTCCGCCTCCCTCCA

Figure 12 continued

5' 11 21 31 41
 1301 ATTTCCAGACTAAGAGGAAGAAAAACCATTTGCTGATTAAACATCTGCATA
 TAAAGGTCTGATTCTCCTTCTTTTGGTAACTAATTGTAGACGTAT

5' 61 71 81 91
 1351 TGAGCGCCCCCACCTCCATACACACACACACACACACACACACACACACAC
 ACTCGCGGGGGGTGGAGGTATGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT

5' 11 21 31 41
 1401 CAACCAAACAGAACAAATACACATGCATGTCTACAGCCTGCAGGAACAAA
 GTTGGTTTGTCTTGTTTATGTGTACGTACAGATGTCGGACGTCCTTGTTT

5' 61 71 81 91
 1451 ATGGTATGTCCTGTGAGGAAC CAGGAGATGCACAGGTCCTAACCTCTGTCT
 TACCATACAGACACTCCTTG GTCCTCTACGTGTCCAGGATTGGAGACAGA

5' 11 21 31 41
 1501 CCTACAAGCCCTGAAGTCTGGTTCAGGGTCAAATGTACAAAAGCAGGCTAA
 GGATGTTTCGGGACTTCAGAC CAGTCCAGTTTACATGTTTTTCGTCCGATT

5' 61 71 81 91
 1551 GGAAGCTGTTTAGTGAAAGATTTTTTTCTTCAACTCTAGGAACAACCTAT
 CCTTCGACAAATCACTTTCTAAAAAAGAAGTTGAGATCCTTGTTGGATA

5' 11 21 31 41
 1601 TTCCTAGGATTTGGAGAGTGCTCAGGAGGAAACATTCAGACAACTGATGC
 AAGGATCCTAAACCTCTCACGAGTCCTCCTTTGTAAGTCTGTTGACTACG

5' 61 71 81 91
 1651 TCTCTGTGTACCCAGATTTCAGGTATTGGGGTAGTTAGTTGTGCTCATGT
 AGAGACACATGGGGTCTAAGTCCATAACCCCATCAATCAACACGAGTACA

5' 11 21 31 41
 1701 ATGTGCTAGATATATTAGCACAGCCTGCCTTCTGCTGCACAACGCCTTAG
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5' 61 71 81 91
 1751 AGACCCGGCCTTTCAATGAGCTTAGCTTGTTGCTCTGTTTCTGCTCTCTTA
 TCTGGGCCCGGAAAGTTACTCGAATCGAACAAGAGACGAGAGAGAAAT

5' 11 21 31 41
 1801 GGTCTAAACTATGGTGTCAGTTTTTAATAGAACAAAAGTATGCATCTTGCC
 CCAGATTTGATACCACAGTCAAATTATCTTGTTTTTCATACGTAGAACGG

5' 61 71 81 91
 1851 TTGGCTTGAGCCTTTTTCGTTTTCATGCTGACTTCTCCCCCTTTCTCTCCT
 AACCGAACTCGGAAAAGCAAAGTTACGACTGAAGAGGGGAAAGAGAGGA

5' 11 21 31 41
 1901 GTGCTCACCTTACCTTTCCAGAGTGTAAGGGACAACCTTTTAAGGAGGCGT
 CACGAGTGGAATGGAAAGGTCTCACATTCCCTGTTGAAAAATTCCTCCGCA

Figure 12 continued

5' 61 71 81 91
 1951 GTCCCTGGTAGGGGCATCCCTGTTTACCAGGTGCCTGTCA TCACCCCACT
 CAGGGACCATCCCCGTAGGGACAAGTGGTC CACGGACAGTAGTGGGGTGA

5' 11 21 31 41
 2001 TGACTGACATCTACCCTGGTGACTATGGGTTCCTCTTGTTTGTAGGGGAAC
 ACTGACTGTAGATGGGACCA CTGATACCAAGGAGAACAACATCCCTTG

5' 61 71 81 91
 2051 GGTGGCTCCAGGTGGAGGCA TCAATCTGTTGGGTTCTGGTTCCCGGCTGC
 CCACCGAGGTCCACCTCCGTAGTTAGACAA CCAAGACCAAGGGCCGACG

5' 11 21 31 41
 2101 CTTTGGTTTTTGAAGTCTCTTCTCTGTATA TTCCTACCCTGCATTTGCTT
 GAAACCAAAACTTTCAGAGAAGAGACATATAAGGATGGGACGTAAACGAA

5' 61 71 81 91
 2151 TGTGTGGTGCTGATGCTGTG CGCAGCAGGA TTCTTGGATGACTCTCCATC
 ACACACCACGACTACGACAC GCGTCGTCCTAAGAACCTACTGAGAGGTAG

5' 11 21 31 41
 2201 AGTCACAGACTCCCCCTGTTGCAAAGTGTCAGGCTGACTC GACAGTCACC
 TCAGTGTCTGAGGGGGACAA CGTTTCACAG TCCGACTGAG CTGTCAGTGG

5' 61 71 81 91
 2251 GTAAAATCTGAGTCAGTCACACACAGGCTG TCAGCCACGG CTTCCACTTG
 CATTTTAGACTCAGTCAGTGTGTGTCCGACAGTCGGTGCCGAAGGTGAAC

5' 11 21 31 41
 2301 CATGGCTATTCTATTTTCACACGTGAGTTT CTGTTGCTGG CTGGCTGACT
 GTACCGATAAGATAAAAGTG TGCACCTCAAAGACAACGACCGACCGACTGA

5' 61 71 81 91
 2351 GGCATTATCTATGCTAAGTTGAAATCAGGG GTGCCCAGCAGAGCCCATCA
 CCGTAATAGATACGATTCAA CTTTAGTCCC CACGGGTCGT CTCGGGTAGT

5' 11 21 31 41
 2401 TTCTCACTGTCTTTGAAACAAAGCTGTACGGTTTGATCGATGAACGTATT
 AAGAGTGACAGAACTTTGT TTCGACATGCCAAACTAGCTACTTGCATAA

5' 61 71 81 91
 2451 TAAAGCATTT CATGCAATGA CAAAGTGCTCAGTAGTGGAAGGCAGGCTGT
 ATTTTCGTAAAGTACGTTACTGTTTCACGAG TCATCACCTT CCGTCCGACA

5' 11 21 31 41
 2501 GACCAGTCTGCCTGCTCCTTACTATAATTGTGAGGATTTGTTACTGGAAC
 CTGGTCAGACGGACGAGGAATGATATTAACACTCCTAAACAATGACCTTG

5' 61 71 81 91
 2551 AGTACATGGAGGCCTGACCTTGTGGGGGGCA CAGGGTGGAACCTTAGCTGA
 TCATGTACCTCCGGACTGGAACACCCCGTGTCCCACCTTGGAATCGACT

Figure 12 continued

5' 11 21 31 41
 2601 ATATAGTGTGTGTCTCAAGAGGAAGTCAGGGTACTAGCTCAGTGCTCAAT
 TATATCACACACAGAGTTCTCCTTCAGTCCCATGATCGAGTCACGAGTTA

5' 61 71 81 91
 2651 CTCCAGGTACTATATATACATTTGCCCCGTTTATCTCTAATGTGAAATAA
 GAGGTCCATGATATATATGTAAACGGGCAAATAGAGATTACACTTTATT

5' 11 21 31 41
 2701 ATCCCCAAACACTTGTTTATCGTGTAGCGTACCTAAAAGACTATTCTATT
 TAGGGGTTTGTGAACAAATAGCACATCGCATGGATTTTCTGATAAGATAA

5' 61 71 81 91
 2751 ATGGGTGTCCCCACTTTCTTGGTTTGGTCACCCCGATCCCCCGGTCTTCT
 TACCCACAGGGGTGAAAGAA CCAAACCAGTGGGGCTAGGGGGCCAGAAGA

5' 11 21 31 41
 2801 GCTGTATCTAGAACAGTGACTATAAATGATGTATGGGAATAGTGTTTCCA
 CGACATAGATCTTGTCCTGATATTTACTACATACCCTTATCACAAGGT

5' 61 71 81 91
 2851 TATGATCTGTGTGTCTGGAGTATATGCTACATGTTTCATTTACTGTACAAAA
 ATACTAGACAACAGACCTCATATACGATGTACAAGTAAATGACATGTTTT

5' 11 21 31 41
 2901 ACCCAGTGCAGCTGATGATGCAAAGCAGTCTCTCTCTGTGTACAGTGCCC
 TGGGTCACGTGACTACTACGTTTCGTCAGAGAGAGACACATGTCACGGG

5' 61 71 81 91
 2951 CACCTATTTAAAAATCACGTACTTGCCCAGAACACTGTGAAACACTTAAC
 GTGGATAAATTTTGTAGTGCATGAACGGGTCTTGTGACACTTTGTGAATTG

5' 11 21 31 41
 3001 ATAAGAACAACGCAGCGTCTGGATTCTTTCCAAGGAGAGCAGCTTTCTC
 TATTCTTGTTTGCGTCGCAGACCTAAGAAAGGTTCTCTCGTCGAAAGAG

5' 61 71 81 91
 3051 CACAGGAACA CAGTAACAAAAGAGGTCCGC CGCCATCCACACCCAGCCAA
 GTGTCCTTGTGTCATTGTTTTCTCCAGGCGGCGGTAGGTGTGGGTCTGGTT

5' 11 21 31 41
 3101 GACACCTCAGAGGCCATAGGGACAACCTCCTTGCTGGCCAACACCTGCTG
 CTGTGGAGTCTCCGGTATCCCTGTTGGAGGAACGACCGGTGTGTGGACGAC

5' 61 71 81 91
 3151 GAGCAGGGGACACAGGTCCCAGCAACTGATCCTCAGTGGATGGGTCTGCAG
 CTCGTCCCCGTGTCCAGGGTCTGTTGACTAGGAGTCACCTACCCAGACGTC

5' 11 21 31 41
 3201 CCAAAGCCTTAATGGGCTCTCTTTTGAAGGGGAAAGAAAGAATTTCAAGC
 GGTTTCGGAA TTACCCGAGAGAAAACCTCCCTTTCTTTCTTAAAGTTTCG

Figure 12 continued

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5'          61          71          81          91
3251 TTATGATATC CAATATTATTATAGTTGATGAGTTAGTAAATTCCAAAAAA
    AATACTATAGGTTATAATAATATCAACTACTCAATCATTTAAGGTTTTTT

5'          11          21          31          41
3301 AAAAGATGATTTTATATGTATGACATAAAAAAAATCTTTGTAAAGTGCGC
    TTTTCTACTAAAATATACATACTGTATTTTTTTTAGAAACATTCACGCG

5'          61          71          81          91
3351 AAGTGCAATAATTTAAAGAGGTCTTATCTTTGCATTTATAAATTATAAAT
    TTCACGTTATTAAATTTCTCCAGAATAGAAACGTAAATATTTAATATTTA

5'          11          21          31          41
3401 ATTGTACATGTGTGTAATTTTTTCATGTATTCATTTGCAGTCTTTGTATTT
    TAACATGTACACACATTAAAAAGTACATAAGTAAACGTCAAGAACATAAA

5'          61          71          81          91
3451 AAAAAAACTTTACTGTTATGTTTGTATAATAGAACATTAAATCATTATTA
    TTTTTTTGAAATGACAATAACACATATTATCTTGTAATTAGTAAATAAT

5'          11          21          31          41
3501 TAACTCAGACAAGGTGTAAATAAATTCATAATTCAAACAGCCAGTATATA
    ATTGAGTCTGTTCCACATTTATTTAAGTATTAAGTTTGTCGGTCATATAT

5'          61          71          81          91
3551 TGCATATATGGGTGTTACATTGCAAAAATCTCTATCTTTGTTCTATTCAC
    ACGTATATACCCACAATGTAACGTTTTTTAGAGATAGAAACAAGATAAGTG

5'          11          21          31          41
3601 ATGCTTAAAGAAGTAAGAAATCTTTTGTGGATATGTAATTATACATATAA
    TACGAATTTCTTCATTCTTTAGAAAACACCTATACATTAAATATGTATATT

5'          61          71          81          91
3651 AGTATATATA TATGTATGATACATGAAATA TATTTAGAAATGTTTCATAAT
    TCATATATATATACATACTATGTACTTTATATAAATCTTTACAAGTATTA

5'          11          21          31          41
3701 TTTAATGGATATTCTTTGGTGTGAATAATTGAATACAACATTTTAAAT
    AAATTACCTATAAGAAACCA CACTTATTAACTTATGTTGTAAAAATTTTA

5'          61          71          81          91
3751 AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAATTTTTTTTTTTTTTTT
    TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTAAAAAAAAAAAAAAAAAA

5'          11          21          31          41
3801 TTATTCCAGAGATTAAAGACACTAGATCTTTAACCTTGAAGGGCAGGCAA
    AATAAGGTCTCTAATTTCTGTGATCTAGAAATTGGAACCTTCCCGTCCGTT

5'          61          71          81          91
3851 GAGGTCGGCAATGCTGTCAACATAGAAGTCAGGGACCATTTCCTTCTTGA
    CTCCAGCCGTTACGACAGTTGTATCTTCAGTCCCTGGTAAAAGAAGAACT

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Figure 12 continued

5' 11 21 31 41
 3901 ACATGCAGTCACTTTCCTGATTGCTCTTCAATCCTCAAGGCTCCGGAAT
 TGTACGTCAGTGAAAGGACTAACGAGAAGTGTAGGAGTTC CGAGGCCTTA

5' 61 71 81 91
 3951 TCCGGGGGTGTGGTGGGCTTTGATCTCAGGACTCTGGAGGCAGAAGCAGG
 AGGCCCCCACACCACCCGAACTAGAGTCCTGAGACCTCCGTCTTCGTCC

5' 11 21 31 41
 4001 CAGATCTCTGTGAATATGAGGCCAGCCTGCACTACACAGAGCTCCAGACC
 GTCTAGAGACACTTATACTCCGGTCGGACGTGATGTGTCTCGAGGTCTGG

5' 61 71 81 91
 4051 AGTCATGGCTACATCATGAAACCCTGTCTCAAAAAGAAAA TAAAACTGT
 TCAGTACCGATGTAGTACTTTGGGACAGAGTTTTTCTTTTATTTTGTGACA

5' 11 21 31 41
 4101 TGTGTTTCTACCATAGTGTTAAACTCAGAGTCTGAGTAATGTCGGGCTGA
 ACACAAAGATGGTATCACAATTTGAGTCTCAGACTCATTACAGCCCGACT

5' 61 71 81 91
 4151 CATGCTCGGGTGTTTAACATACCTTCAGCTTTGACGAGGCGCTGAACAGT
 GTACGAGCCCACAAATTGTATGGAAGTCGAAACTGCTCCGCGACTTGTCAT

5' 11 21 31 41
 4201 CAAAGTCTGGCCTTGGGGAGCGGTGGCTGTGTTTGTGCTCAAGTCCACCG
 GTTTCAGACCGGAACCCCTCGCCACCGACACAAACACGAGTTCAGGTGGC

5' 61 71 81 91
 4251 TGAAATCCTGATTGTGAATTTGGACAACCGTGTCCTTCTTCTTGGCCTTC
 ACTTTAGGACTAACACTTAAACCTGTTGGCACAGGAAGAAGAACCAGGAAG

5' 11 21 31 41
 4301 CATGCAACCTCCAACCTTCATGTTGGTCATTTTGTCAAAACACTGTGTGAT
 GTACGTTGGAGGTTGAAGTACAACCAGTAAAACAGTTTTTGTGACACACTA

5' 61 71 81 91
 4351 GTTTTTATCAATATACTGCCATTCCACATATGTAGAGATGTAGTCTGCCT
 CAAAAATAGTTATATGACGGTAAGGTGTATACATCTCTACATCAGACGGA

5' 11 21 31 41
 4401 GGCTTTCCTTTTCTTTAGCCAATCGAATGCTCTTGATCATGCCCTCAATC
 CCGAAAGGAAAAGAAATCGGTTAGCTTACGAGAACTAGTACGGGAGTTAG

5' 61 71 81 91
 4451 TCATCTCTAGCTTTTATCACGTCTCTGCTAATTCCTGAAACTTGAATCGA
 AGTAGAGATCGAAAATAGTGCAGAGACGATTAAGGACTTTGAACTTAGCT

5' 11 21 31 41
 4501 AGTTTTCTTCTGGTTCATCTCAATGGTGATGTTTCAGTTCCCTTCTGAATCT
 TCAAAAGAAGACCAAGTAGAGTTACCACTACAAGTCAAGGAAGACTTAGA

Figure 12 continued

5' 61 71 81 91
4551 CATT CAGTTT CTCGTACT CCTCCATGTCAAAGTCACTGACACACTCATCG
GTAAGTCAAAGAGCATGAGGAGGTACAGTTTCAGTGACTGTGTGAGTAGC

5' 11 21 31 41
4601 TCATTGGTGTAGGAAAGCTGCTCTTTGGTAATCAGTTCCTTTAGCCAGGA
AGTAACCACATCCTTTTCGACGAGAAACCATTAGTCAAGGAAATCGGTCCT

5' 61 71 81 91
4651 GATTGTTTTGTTCACACTGTCTACCCCTGAACCACATACCTGGAAAAGT
CTAACAAAACAAGTGTGACAGATGGGGACTTGGTGTATGGACCTTTTGAC

5' 11 21 31 41
4701 TGTGCTCTATTTTCTTTTCCAAAACCAGGGTGTCTTTTTTGGGGGAAGCT
ACACGAGATAAAAGAAAAGGTTTTGGTCCCACAAGAAAAACCCCTTCGA

5' 61 71 81 91
4751 TGCTTGGGAAAGCCAAGAAAAGGCTAAAGAGAAAATGGAAATTAATGTTTC
ACGAACCCTTTCGGTTCCTTCCGATTTCTCTTTTACCTTTAATTACAAAG

5' 11 21 31 41
4801 TTTTACTCCC TTCAACATCAAGGTTAGGAAATATGTATTTTCATAAAAGCTA
AAAATGAGGGAAGTTGTAGTTCCAATCCTTATACATAAAGTATTTTTCGAT

5' 61 71 81 91
4851 ACAACTCACAGGCAATCTTAGACATCACTGACTGCTTGGCAGGCGACTGC
TGTTGAGTGTCCGTTAGAATCTGTAGTGACTGACGAACCGTCCGCTGACG

5' 11 21 31 41
4901 TTGGGGGGGAGCTGGAGAGCC TTCTCTTTCTTTTCATGTTGT CGTAAAAAAA
AACCCCCCTCGACCTCTCGGAAGAGAAAGAAAGTACAACAGCATTTTTTTT

5' 61 71 81 91
4951 TTGCAGAATA TGGGGCTGGAAGATAACAAC TTAACTCTCTTCACAGCCT
AACGTCTTATACCCCGACCTTCTATTGTTGAAATTGAGAGAAGTGTGCGA

5' 11 21 31 41
5001 GCACTGATTT TTTCTGGACAAATTCTTCAA TGGCATCTATTATCGCTTTT
CGTGACTAAAAAAGACCTGTTTAAGAAGTTACCGTAGATAATAGCGAAAA

5' 61 71 81 91
5051 GCTACTACGTTTGGGTCCTGTTGAGCATTT CCTTCAAAAA CAAAAAAGC
CGATGATGCAAACCCAGGACA ACTCGTAAAGGAAGTTTTTGT TTTTTCG

5' 11 21 31 41
5101 ACATTTT TAAAAAGTCAAGGTTAAGATCCA CCTGCAAAAAA AAGCTGCAA
TGTA AAAAATTTTTCAGTTCCAATTCTAGGTGGACGTTTTTTTTCGACGTT

5' 61 71 81 91
5151 TATAAGCGAGGAATTCTAGTTGT CACAGGAATAAAAAATGTCTGTTCCCA
ATATTCGCTCCTTAAGATCAACAGTGCCTTTATTTT TACAGACAAGGGT

Figure 12 continued

5' 11 21 31 41
5201 CTATAATCAA TG TAGACTGA TAATATTATGCCAGCAAATAGTTTGAAGT
GATATTAGTTACATCTGACTATTATAATACGGTCGTTTATCAAACCTTCA

5' 61 71 81 91
5251 CCTAGGCACAGTGGGAGGAGGTTTTGTTCCACGCTGTTCA TAAGCCAATA
GGATCCGTGT CACCCTCCTC CAAAACAAGGTGCGACAAGTATTCGGTTAT

5' 11 21 31 41
5301 CCCCAGCAAAAGACCTTAAAGGACAACCTTGTAATTTGGGACATTCACATC
GGGGTCGTTTTCTGGAATTTCTGTTGAACATTAAACCCTGTAAGTGTAG

5' 61 71 81 91
5351 TGTCTCTTCATCTGATCTGGCTCCCAGTG TCACTCTCTAACACGGTCCT
ACAGGAGAAGTAGACTAGACCGAGGGTCACAGTGAGAGATTGTGCCAGGA

5' 11 21 31 41
5401 TAGAGGGACAATTTATCCCTGCCTCTGCTTGATCTTATGCATGTATCTGT
ATCTCCCTGT TAAATAGGGA CGGAGACGAACTAGAATACGTACATAGACA

5' 61 71 81 91
5451 ATTCTTCCAGCCATCCCTGGCGACCTGATTTTTCTAAGGCACCCAAAACCT
TAAGAAGGTCGGTAGGGACC GCTGGACTAAAAAGATTCCGTGGGTTTTGA

5' 11 21 31 41
5501 GTAAGCTACTTCTTATAATCTATAATTCTGAGCATATTAGTTAGCCTGAG
CATTCGATGAAGAATATTAGATATTAAGACTCGTATAATCAATCGGACTC

5' 61 71 81 91
5551 CCTCCAGGATATCTTTCTTC CCTATACTCAGTCCAGTTTTAGCTGCCCAG
GGAGGTCCTATAGAAAGAAGGGATATGAGTCAGGTCAAAATCGACGGGTC

5' 11 21 31 41
5601 AAGGATTCAAAGCTGATCTACGAGTAGATCACTCCTGTCTACAGCTTGTT
TTCCTAAGTTTCGACTAGATGCTCATCTAGTGAGGACAGATGTCGAACAA

5' 61 71 81 91
5651 CCAGATCTTGTTTCTCAAGCCTGGAAGCCATCAGCCAGGTAAGATTGTA
GGTCTAGAACAAAGAGTTCGGGACCTTCGGTAGTCGGTCCATTCTAACAT

5' 11 21 31 41
5701 AAACAATCCCTTTCTAATCATGGGTGTGGCCCAAAGTGAA TGGCCGGAAT
TTTGTTAGGGAAAGATTAGTACCCACACCGGGTTTCACTTACCGGCCTTA

5' 61 71 81 91
5751 TC
AG

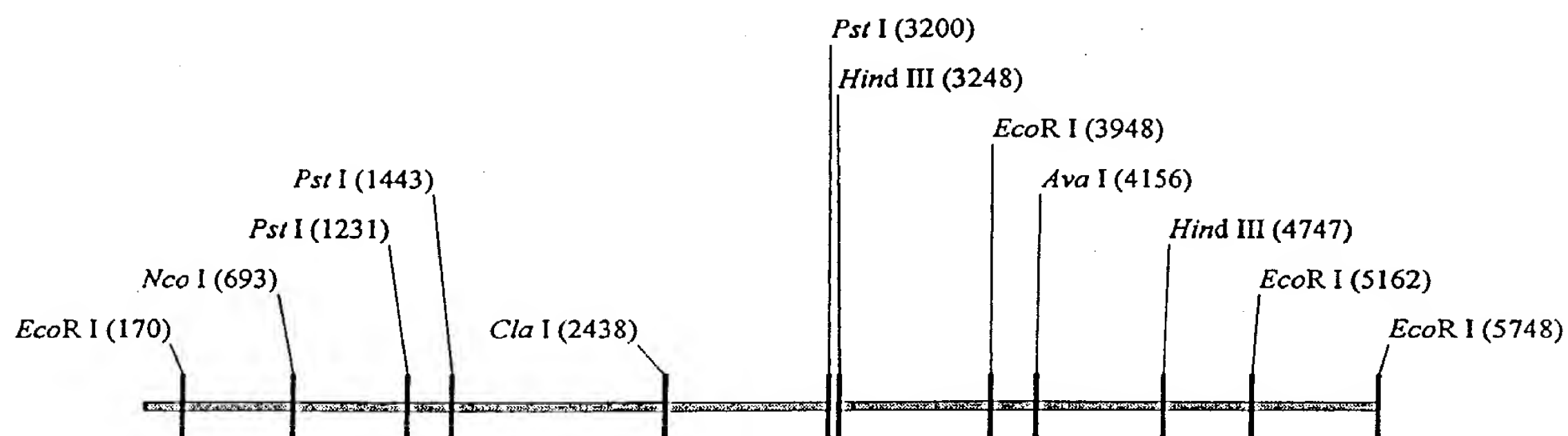


Figure 13

5752 bp

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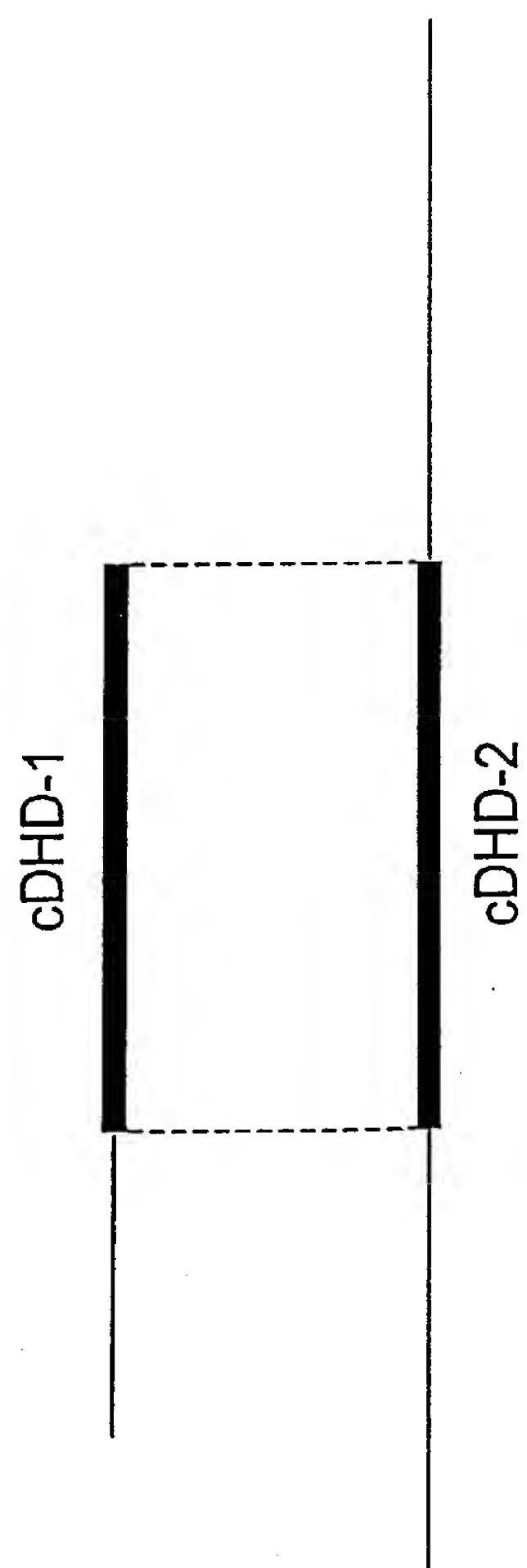


Figure 14

Figure 15

PDE10a and RACEs compiled

1	CGCCCGGGCA	GGTCTGTTGG	AGGGCAGTTG	GTCAACCTGA	CCAGAGAGAG	CTGAGCTGGA
	GCGGGCCCGT	CCAGACAACC	TCCCGTCAAC	CAGTTGGACT	GGTCTCTCTC	GACTCGACCT
61	AGACCCCACT	GATGGTGTGC	TGCCTTTCAG	TCCAGGAAGA	AAGAAAGGAA	GGATTCTGAG
	TCTGGGGTGA	CTACCACACG	ACGGAAAGTC	AGGTCCTTCT	TTCTTTCCTT	CCTAAGACTC
121	GATTTGGGCA	AAGCCACATT	CCTGGAGAAG	TCTGTATACT	GATGCCAAAC	CCAAGAGCTG
	CTAAACCCGT	TTCGGTGTAA	GGACCTCTTC	AGACATATGA	CTACGGTTTG	GGTTCTCGAC
181	AGCTGCTGAT	GAGGCCCAGG	GAGTAGCCCA	CGCGCCCTGA	GCTGTTGGCT	AGCAAGGCCT
	TCGACGACTA	CTCCGGGTCC	CTCATCGGGT	GCGCGGGACT	CGACAACCGA	TCGTTCCGGA
241	TCCTGCTCCA	TGTGGCATGG	AAAAATTATA	TGGTTTGACG	GATGAAAAGG	TGAAGGCCTA
	AGGACGAGGT	ACACCGTACC	TTTTTAATAT	ACCAAACCTGC	CTACTTTTCC	ACTTCCGGAT
301	TCTTTCTCTC	CATCCCCAGG	TATTAGATGA	ATTTGTTTCT	GAAAGTGTTA	GTGCAGAGAC
	AGAAAGAGAG	GTAGGGGTCC	ATAATCTACT	TAAACAAAGA	CTTTCACAAT	CACGTCTCTG
361	TGTGGAAAAG	TGGCTGAAGA	GGAAAACCAA	CAAAGCAAAA	GATGAACCAT	CTCCCAAGGA
	ACACCTTTTC	ACCGACTTCT	CCTTTTGGTT	GTTTCGTTTT	CTACTTGGTA	GAGGGTTCCT
421	AGTCAGCAGG	TACCAGGATA	CGAATATGCA	GGGAGTCGTG	TACGAGCTGA	ACAGCTACAT
	TCAGTCGTCC	ATGGTCCTAT	GCTTATACGT	CCCTCAGCAC	ATGCTCGACT	TGTGATGTA
481	AGAGCAGCGC	CTGGACACGG	GCGGGGACAA	CCACCTGCTC	CTCTATGAGC	TCAGCAGCAT
	TCTCGTCGCG	GACCTGTGCC	CGCCCCTGTT	GGTGGACGAG	GAGATACTCG	AGTCGTCGTA
541	CATCAGGATA	GCCACAAAAG	CCGACGGATT	TGCACTGTAC	TTCTTTGGAG	AGTGCAATAA
	GTAGTCCTAT	CGGTGTTTTT	GGCTGCCTAA	ACGTGACATG	AAGGAACCTC	TCACGTTATT
601	TAGCCTGTGT	GTGTTTCATAC	CACCCGGGAT	GAAGGAAGGC	CAACCCCGGC	TCATCCCTGC
	ATCGGACACA	CACAAGTATG	GTGGGGCCCTA	CTTCCTTCCG	GTTGGGGCCG	AGTAGGGACG
661	AGGGCCCATC	ACCCAGGGTA	CCACCATCTC	TGCCTACGTG	GCCAAGTCTA	GGAAGACGTT
	TCCCGGGTAG	TGGGTCCCAT	GGTGGTAGAG	ACGGATGCAC	CGGTTCAGAT	CCTTCTGCAA
		EcoRV		XhoI		
721	GTTGGTAGAG	GATATCCTTG	GGGATGAGCG	ATTTCTCTCGA	GGTACTGGCC	TGGAATCAGG
	CAACCATCTC	CTATAGGAAC	CCCTACTCGC	TAAAGGAGCT	CCATGACCGG	ACCTTAGTCC
781	AACCCGCATC	CAGTCTGTTC	TTTGCTTGCC	CATTGTCACT	GCCATTGGAG	ACTTGATTGG
	TTGGGCGTAG	GTCAGACAAG	AAACGAACGG	GTAACAGTGA	CGGTAACCTC	TGAACTAACC
841	CATCCTTGAA	CTGTACAGGC	ACTGGGGCAA	AGAGGCCTTC	TGCCTCAGCC	ATCAGGAGGT
	GTAGGAACCT	GACATGTCCG	TGACCCCGTT	TCTCCGGAAG	ACGGAGTCGG	TAGTCCTCCA
901	TGCAACAGCC	AATCTTGCTT	GGGCTTCCGT	AGCAATACAC	CAGGTGCAGG	TGTGTAGAGG
	ACGTTGTCCG	TTAGAACGAA	CCCGAAGGCA	TCGTTATGTG	GTCCACGTCC	ACACATCTCC
961	TCTCGCCAAA	CAGACCGAAC	TGAATGACTT	CCTACTCGAC	GTATCAAAGA	CATACTTTGA
	AGAGCGGTTT	GTCTGGCTTG	ACTTACTGAA	GGATGAGCTG	CATAGTTTCT	GTATGAAACT
1021	TAACATAGTT	GCCATAGACT	CTCTACTTGA	ACACATCATG	ATATATGCAA	AAAATCTAGT
	ATTGTATCAA	CGGTATCTGA	GAGATGAACT	TGTGTAGTAC	TATATACGTT	TTTTAGATCA
1081	GAACGCCGAC	CGCTGCGCGC	TCTTCCAGGT	GGACCACAAG	AACAAGGAGC	TGTACTCGGA
	CTTGCGGCTG	GCGACGCGCG	AGAAGGTCCA	CCTGGTGTTT	TTGTTCCCTG	ACATGAGCCT
1141	CCTGTTTGAC	ATTGGGGAGG	AGAAGGAGGG	GAAGCCCATC	TTCAAGAAGA	CCAAGGAGAT
	GGACAAACTG	TAACCCCTCC	TCTTCCTCCC	CTTCGGGTAG	AAGTTCTTCT	GGTTCCTCTA
1201	CAGATTTTCC	ATTGAGAAAG	GGATTGCTGG	TCAAGTGGCA	AGAACAGGCG	AAGTCTTGAA
	GTCTAAAAGG	TAACCTTTTC	CCTAACGACC	AGTTCACCGT	TCTTGTCCGC	TTCAGAACTT
1261	CATTCCCGAT	GCCTACGCGG	ACCCTCGCTT	TAACAGGGAG	GTGGACCTGT	ACACAGGCTA
	GTAAGGGCTA	CGGATGCGCC	TGGGAGCGAA	ATTGTCCCTC	CACCTGGACA	TGTGTCCGAT
1321	CACCACGAGG	AACATTCTGT	GTATGCCCAT	AGTGAGCCGA	GGCAGCGTGA	TTGGCGTGGT
	GTGGTGCTCC	TTGTAAGACA	CATACGGGTA	TCACTCGGCT	CCGTCGCACT	AACCGCACCA

Figure 15 (con't)

PDE10a and RACEs compiled

1381	GCAGATGGTG	AACAAGATCA	GCGGTAGCGC	CTTCTCCAAG	ACAGACGAGA	ACAACTTCAA
	CGTCTACCAC	TTGTTCTAGT	CGCCATCGCG	GAAGAGGTTT	TGTCTGCTCT	TGTTGAAGTT
1441	GATGTTTGCT	GTCTTCTGCG	CACTGGCCTT	GCACTGTGCT	AACATGTACC	ACAGGATCCG
	CTACAAACGA	CAGAAGACGC	GTGACCGGAA	CGTGACACGA	TTGTACATGG	TGTCCTAGGC
1501	CCACTCAGAA	TGCATCTACA	GGGTTACCAT	GGAGAAGCTT	TCCTACCACA	GCATCTGCAC
	GGTGAGTCTT	ACGTAGATGT	CCCAATGGTA	CCTCTTCGAA	AGGATGGTGT	CGTAGACGTG
1561	CTCCGAGGAG	TGGCAAGGCC	TCATGCGCTT	CAACCTACCA	GCACGCATCT	GCCGGGACAT
	GAGGCTCCTC	ACCGTTCCGG	AGTACGCGAA	GTTGGATGGT	CGTGCGTAGA	CGGCCCTGTA
1621	CGAGCTATTC	CACTTTGACA	TTGGTCCTTT	CGAGAACATG	TGGCCTGGGA	TCTTTGTCTA
	GCTCGATAAG	GTGAAACTGT	AACCAGGAAA	GCTCTTGTA	ACCGGACCCT	AGAAACAGAT
1681	CATGATCCAT	CGGTCTTGTG	GGACATCCTG	TTTTGAACTT	GAAAAATTGT	GCCGTTTTAT
	GTACTAGGTA	GCCAGAACAC	CCTGTAGGAC	AAACTTGAA	CTTTTAAACA	CGGCAAAATA
1741	CATGTCTGTG	AAGAAGAACT	ATCGGCGGGT	TCCTTACCAC	AACTGGAAGC	ATGCAGTCAC
	GTACAGACAC	TTCTTCTTGA	TAGCCGCCCA	AGGAATGGTG	TTGACCTTCG	TACGTCAGTG
1801	GGTGGCACAC	TGCATGTATG	CCATACTTCA	AAACAACAAT	GGCCTCTTCA	CAGACCTCGA
	CCACCGTGTG	ACGTACATAC	GGTATGAAGT	TTTGTGTGTA	CCGGAGAAGT	GTCTGGAGCT
1861	GCGCAAAGGC	CTGCTAATTG	CGTGTCTGTG	CCATGACCTG	GACCACAGGG	GCTTCAGTAA
	CGCGTTTCCG	GACGATTAAC	GCACAGACAC	GGTACTGGAC	CTGGTGTCCC	CGAAGTCATT
1921	CAGCTACCTG	CAGAAGTTCG	ACCACCCCTT	GGCGGCGCTG	TACTCCACCT	CCACCATGGA
	GTCGATGGAC	GTCTTCAAGC	TGGTGGGGGA	CCGCCGCGAC	ATGAGGTGGA	GGTGGTACCT
1981	GCAACACCAC	TTCTCCCAGA	CGGTGTCCAT	CCTTCAGCTG	GAAGGGCACA	ATATCTTCTC
	CGTTGTGGTG	AAGAGGGTCT	GCCACAGGTA	GGAAGTCGAC	CTTCCCGTGT	TATAGAAGAG
2041	CACCCTGAGC	TCCAGCGAGT	ACGAGCAGGT	GCTGGAGATC	ATCCGCAAAG	CCATCATCGC
	GTGGGACTCG	AGGTCGCTCA	TGCTCGTCCA	CGACCTCTAG	TAGGCGTTTC	GGTAGTAGCG
2101	CACCGACCTC	GCCCTATACT	TTGGGAACAG	GAAGCAGTTG	GAGGAGATGT	ACCAGACAGG
	GTGGCTGGAG	CGGGATATGA	AACCCTTGTC	CTTCGTCAAC	CTCCTCTACA	TGGTCTGTCC
2161	GTCGCTGAAC	CTCCACAACC	AGTCCCATCG	AGACCGTGTC	ATCGGCTTGA	TGATGACTGC
	CAGCGACTTG	GAGGTGTTGG	TCAGGGTAGC	TCTGGCACAG	TAGCCGAACT	ACTACTGACG
2221	CTGTGATCTT	TGCTCTGTGA	CCAAACTATG	GCCAGTTACA	AAATTGACAG	CGAATGATAT
	GACACTAGAA	ACGAGACACT	GGTTTGATAC	CGGTCAATGT	TTTAACTGTC	GCTTACTATA
2281	ATATGCAGAA	TTCTGGGCTG	AGGGTGATGA	GATGAAGAAG	CTGGGCATAC	AGCCCATTCC
	TATACGTCTT	AAGACCCGAC	TCCCACTACT	CTACTTCTTC	GACCCGTATG	TCGGGTAAGG
2341	TATGATGGAC	AGAGACAAGC	GAGATGAAGT	CCCTCAAGGG	CAGCTCGGAT	TCTACAATGC
	ATACTACCTG	TCTCTGTTCG	CTCTACTTCA	GGGAGTTCCC	GTCGAGCCTA	AGATGTTACG
2401	TGTGGCCATT	CCCTGCTATA	CCACCTTGAC	GCAGATCCTC	CCACCCACAG	AGCCTCTGCT
	ACACCGGTAA	GGGACGATAT	GGTGGAAGT	CGTCTAGGAG	GGTGGGTGTC	TCGGAGACGA
2461	GAAGGCCTGC	AGGGATAACC	TCAATCAGTG	GGAGAAGGTA	ATTCGCGGGG	AAGAGACAGC
	CTTCCGGACG	TCCCTATTGG	AGTTAGTCAC	CCTCTTCCAT	TAAGCGCCCC	TTCTCTGTGC
2521	AATGTGGATT	TCAGGCCAG	GCCCGGCGCC	TAGCAAGAGC	ACACCTGAGA	AGCTGAACGT
	TTACACCTAA	AGTCCGGGTC	CGGGCCGCGG	ATCGTTCTCG	TGTGGACTCT	TCGACTTGCA
2581	GAAGGTTGAA	GACTGATCCT	GAAGTGACGT	CCTGATGTCT	GCCCAGCAAC	GACTCAACC
	CTTCCAACCT	CTGACTAGGA	CTTCACTGCA	GGACTACAGA	CGGGTCGTTG	GCTGAGTTGG
2641	TGCTTCTGTG	ACTTCGTTCT	TTTTGTTTTT	AAGGGGTGAA	AACCCCTGT	CAGAAGGTAC
	ACGAAGACAC	TGAAGCAAGA	AAAACAAAAG	TTCCCCACTT	TTGGGGGACA	GTCTTCCATG

Figure 15 (con't)

PDE10a and RACEs compiled

2701	CGTCGCATAT	CCATGTGAAG	CAGACGACTC	CCTGCTTGCC	GCACACACCT	CGGACAGTGA
	GCAGCGTATA	GGTACACTTC	GTCTGCTGAG	GGACGAACGG	CGTGTGTGGA	GCCTGTCACT
2761	GCAACCCAGG	CTCTGCCGTG	TTCAGACGTC	GGCTACTCCG	TGGCTCCACC	TGACCTCCGA
	CGTTGGGTCC	GAGACGGCAC	AAGTCTGCAG	CCGATGAGGC	ACCGAGGTGG	ACTGGAGGCT
2821	ATGCTATTTG	CTCCCAGGCC	AGCACTGCAC	TGTCTGGAGG	GGGCAGAGAC	CACAGGAGAG
	TACGATAAAC	GAGGGTCCGG	TCGTGACGTG	ACAGACCTCC	CCCGTCTCTG	GTGTCCTCTC
2881	GTTCTTGCCT	GCATCCTCCC	ATGAGGGTGT	GGCCAGTTCC	CTAGTTCTGT	GCCATGCTGC
	CAAGAACGGA	CGTAGGAGGG	TACTCCCACA	CCGGTCAAGG	GATCAAGACA	CGGTACGACG
2941	TGCTTGGTGG	CATTGGTTAG	GAATGGGACA	CACGCCCCTT	GTTGTGAAGT	TTACATGTGA
	ACGAACCACC	GTAACCAATC	CTTACCCTGT	GTGCGGGGAA	CAACACTTCA	AATGTACACT
3001	CCTTCTTATA	GGTTAACTGA	GTTTGTGGCC	TGGACACATG	TAATGAAGGT	CACAGTCCAC
	GGAAGAATAT	CCAATTGACT	CAAACACCGG	ACCTGTGTAC	ATTACTTCCA	GTGTCAGGTG
3061	AGGTGACAGA	GAAATCCAAA	CTGTTGATTA	CAGGTGCACT	ACAGGTATGC	TCTTTCAGTC
	TCCACTGTCT	CTTTAGGTTT	GACAACTAAT	GTCCACGTGA	TGTCCATACG	AGAAAGTCAG
3121	TATCTGGGGG	CACATAGGTG	AGTCTGCTCC	ACTCAGAANN	AAGCATACCT	CTGCCCTCAT
	ATAGACCCCC	GTGTATCCAC	TCAGACGAGG	TGAGTCTTNN	TTCGTATGGA	GACGGGAGTA
3181	CCAGGGGACA	CAGGGTACAT	CCCAGGCATC	GGGGAACCTG	AGCTCTCACT	TCAAACCATG
	GGTCCCCTGT	GTCCCATGTA	GGGTCCGTAG	CCCCTTGACT	TCGAGAGTGA	AGTTTGGTAC
3241	TCAAAGAATT	AAAACACCTC	CCCTCCCCCT	CACTGTAGCC	TTCGACAACT	GCGCCAATCC
	AGTTTCTTAA	TTTTGTGGAG	GGGAGGGGGA	GTGACATCGG	AAGCTGTTGA	CGCGGTTAGG
3301	CTTTATACAA	AGAAAATAAA	AGTAAGGCAT	ATAAATTTCC	TCCAGCAAGC	AAATCTTGTG
	GAAATATGTT	TCTTTTATTT	TCATTCCGTA	TATTTAAAGG	AGGTCGTTCG	TTTAGAACAC
3361	GGTAAAAAAA	AAGCATGTGA	ATNNTAACAA	CNTCTANANT	NTCNCNGNAT	GTTATGGCAG
	CCATTTTTTTT	TTCGTACACT	TANNATTGTT	GNAGATNTNA	NAGNGNCNTA	CAATACCGTC
3421	AATTTTAGTC	ACGTCCAAAA	CAAAAAGATT	ATTCCAGAAG	ATACCTCATC	CTATGCCTGA
	TTAAAATCAG	TGCAGGTTTT	GTTTTTCTAA	TAAGGTCTTC	TATGGAGTAG	GATACGGACT
3481	AAGGCTCCAC	AGCATGGCGT	CCGTCTCCCA	GGGTTCTGAT	CCGTCTCCTC	ACGGTGCAAT
	TTCCGAGGTG	TCGTACCGCA	GGCAGAGGGT	CCCAAGACTA	GGCAGAGGAG	TGCCACGTTA
3541	CAGGCAGGAC	AGAGAGGAGG	GCTGCAGGGC	TACCACATTG	ACCCAGAAGG	TATCTCCTCT
	GTCCGTCCTG	TCTCTCCTCC	CGACGTCCCG	ATGGTGTAAC	TGGGTCTTCC	ATAGAGGAGA
3601	CACCATTGAG	ACATCCATAA	GGAATGCCAA	ATGCTGTATT	GAATAGTTCT	CTGTGTGACT
	GTGGTAAGTC	TGTAGGTATT	CCTTACGGTT	TACGACATAA	CTTATCAAGA	GACACACTGA
	XbaI					
3661	TTCTAGAGAA	GCCAGGACAC	CCTGAGCCTT	TCCNGGGGAA	CTCTAAGGAG	TCACAGGTTC
	AAGATCTCTT	CGGTCCTGTG	GGACTCGGAA	AGGNCCCCTT	GAGATTCCCTC	AGTGTCCAAG
3721	ACACCGTGGG	GATTTTCAGG	ATAGCATGGA	GACAGAGATC	CGGTCGTTGT	TCTCACTCGT
	TGTGGCACCC	CTAAAAGTCC	TATCGTACCT	CTGTCTCTAG	GCCAGCAACA	AGAGTGAGCA
3781	GAGCCTTGAG	AAGGAGAGAC	TGACCAGAAA	CACTCACTCA	GCACTCTGCA	GGAGCAGGAG
	CTCGGAAGTC	TTCTCTCTCTG	ACTGGTCTTT	GTGAGTGAGT	CGTGAGACGT	CCTCGTCCTC
3841	AAGATACTTT	AAGATGAATC	TTGGATAGAT	TTTGATACAC	CCAATACCAT	ACACACAGGA
	TTCTATGAAA	TTCTACTTAG	AACCTATCTA	AAACTATGTG	GGTTATGGTA	TGTGTGTCCT
3901	GCTTGGCATT	TGCAAAGTCT	ATTGAGTTTC	CTTCCGCGCT	CTGACCCACG	GTTGTAGCGG
	CGAACCGTAA	ACGTTTCAGA	TAAGTCAAAG	GAAGGCGCGA	GACTGGGTGC	CAACATCGCC
3961	AGTGGGCTGA	ACACTGTAAC	ACTGTACATG	CGATTTCCCC	ATGGGCTTCT	AAAATGTCAC
	TCACCCGACT	TGTGACATTG	TGACATGTAC	GCTAAAGGGG	TACCCGAAGA	TTTTACAGTG
4021	CATCTCCTCC	CCTGCTGTGT	CCTACTCCAT	TACTGGTTA	CAAGGTGATG	TCAACAAGAG
	GTAGAGGAGG	GGACGACACA	GGATGAGGTA	AATGACCAAT	GTTCCACTAC	AGTTGTTCTC

Figure 15 (con't)

PDE10a and RACEs compiled

4081	AAGCTATCAC	AACACCAGGG	CTGTGCACAC	GTGCACACAC	ATGTATGCAC	AAGCACACAG
	TTCGATAGTG	TTGTGGTCCC	GACACGTGTG	CACGTGTGTG	TACATACGTG	TTCGTGTGTC
4141	ATGTATGTAC	AGCACACACA	CACACACACA	CCCCAAAAGG	AGAGAAAAGG	AAGAAAACAT
	TACATACATG	TCGTGTGTGT	GTGTGTGTGT	GGGGTTTTCC	TCTCTTTTCC	TTCTTTTGTA
4201	TTATAAAAAG	CGACAGCTAC	CCCATATCAA	AATAGTCTTT	CCTGTAGGAA	ACAGGAGCTC
	AATATTTTTTC	GCTGTGCGATG	GGGTATAGTT	TTATCAGAAA	GGACATCCTT	TGTCCTCGAG
4261	TCCATAAGGA	ATTATCATGA	GTGTGTTCTC	CCATCAGTGC	ACTCTCCCAG	GGGTGCTCAC
	AGGTATTCCT	TAATAGTACT	CACACAAGAG	GGTAGTCACG	TGAGAGGGTC	CCCACGAGTG
4321	TGAAGCTGGT	CCACRTCTAT	AAACAGGTGA	CACTGGCTGC	AGCAAAAAGC	CATTCGATCC
	ACTTCGACCA	GGTGRAGATA	TTTGTCCACT	GTGACCGACG	TCGTTTTTTCG	GTAAGCTAGG
4381	ACACAAATTG	ATCTTCTATC	ATCTTGGAAT	CTGAATTGCA	GGGAGGAGCA	GYATGTAAGA
	TGTGTTTAAC	TAGAAGATAG	TAGAACCTTA	GACTTAACGT	CCCTCCTCGT	CYTACATTCT
4441	CGACCGTTTA	ATTCAGGCAT	TCCGAAGGCA	TGAGCGCATG	GATTCTRTCA	CCAAGCGTAT
	GCTGGCAAAT	TAAGTCCGTA	AGGCTTCCGT	ACTCGCGTAC	CTAAGARAGT	GGTTCGCATA
4501	AAAAGGACCC	TGGCATTGGG	AAACCTATGA	CGGACTGTTT	TTGCTGTAGA	AGTAGGGATT
	TTTTCCTGGG	ACCGTAACCC	TTTGGATACT	GCCTGACAAA	AACGACATCT	TCATCCCTAA
4561	TTACAGAAGT	CTCCTTGRAT	TTGCCCTGCC	TGGGGCAGTT	TTGCAGAGGA	ACCTGCCAGA
	AATGTCTTCA	GAGGAACRTA	AACGGGACGG	ACCCCGTCAA	AACGTCTCCT	TGGACGGTCT
4621	GATTTATTGG	CTGGTCAGTC	TCTTGTGAAA	TAGTATCATG	TGAGAAACAG	TTTGTAGAAA
	CTAAATAACC	GACCAGTCAG	AGAACACTTT	ATCATAGTAC	ACTCTTTGTC	AAACATCTTT
4681	AAAACATAC	CTGGGAAGAC	CTTTGCAACA	TTGTTCCCTC	CATGGGCCAA	GA CTCAGTTA
	TTTTGATATG	GACCCTTCTG	GAAACGTTGT	AACAAGGAAG	GTACCCGGTT	CTGAGTCAAT
4741	GGAGGCATAA	ATCTGCCCGG	AATAAACTAG	GCCAGGATAC	AGCCATGTTT	AGTTAATAAT
	CCTCCGTATT	TAGACGGGCC	TTATTTGATC	CGGTCCTATG	TCGGTACAAA	TCAATTATTA
4801	TTGGTTTTAG	AATTCACACA	GGCAGGATTG	GTTTTTTTGT	GTCTTGGCAA	GTGGAGCATA
	AACCAAAATC	TTAAGTGTGT	CCGTCCTAAC	CAAAAAAACA	CAGAACCGTT	CACCTCGTAT
4861	TTTAACATAC	AGGCATGGGA	ATCCTGCCTC	TTAGCTTTTC	CCACCCTCTT	GTCTCACCAA
	AAATTGTATG	TCCGTACCCT	TAGGACGGAG	AATCGAAAAG	GGTGGGAGAA	CAGAGTGGTT
4921	GTTTTTTCTC	TCCAAAGGTT	TCCAGGAATT	TCTCATTAAT	GGCTGATGCA	AACTTAGTGA
	CAAAAAAGAG	AGGTTTCCAA	AGGTCCTTAA	AGAGTAATTA	CCGACTACGT	TTGAATCACT
4981	ATAATAATGA	ATATAAACAA	TGCTCACCTC	ACCAAAATTA	TATTATTTGC	AGTCATTTGT
	TATTATTACT	TATATTTGTT	ACGAGTGGAG	TGGTTTTAAT	ATAATAAACG	TCAGTAAACA
5041	GATAACACAA	ATTTTATCGC	AATGGTTATT	ATTTAATTTG	TGGCCACACA	CTGTGGTTAT
	CTATTGTGTT	TAAAATAGCG	TTACCAATAA	TAAATTAAAC	ACCGGTGTGT	GACACCAATA
5101	CTTTTGTTGT	GGTTGTTTCT	GAGAAAATGT	TCTTGGATAT	GTAAGTGCCA	ATACCAGTGT
	GAAAACAACA	CCAACAAAGA	CTCTTTTACA	AGAACCTATA	CATTCACGGT	TATGGTCACA
5161	GAAGTATTGA	TCCCGGGCAG	CAAATAACAG	CCTAAGGTTT	GTAAACATCA	ATTCTATCTC
	CTTCATAACT	AGGGCCCGTC	GTTTTATGTC	GGATTCCAAA	CATTTGTAGT	TAAGATAGAG
5221	AGTTCATCAG	AGGGCCTGAG	AAGCTGCGGG	GCAGTGTAAG	GTAAAGTATG	CTGGGCTGGT
	TCAAGTAGTC	TCCCGGACTC	TTGACGCCC	CGTCACATTT	CATTTCATAAC	GACCCGACCA
5281	GGTGGTCAGC	CTCCCCTTGC	CAAGAAGAGA	GCAATTGAAT	CCTGTCCCCA	GCTCCCTCCA
	CCACCAGTCG	GAGGGGAACG	GTTCTTCTCT	CGTTAACTTA	GGACAGGGGT	CGAGGGAGGT
5341	CGCCTGAAGA	GTGACCAGTG	CTGGCCCGAC	GGATCGCTGA	GATATTCTCC	CATAATGGCA
	GCGGACTTCT	CACTGGTCAC	GACCGGGCTG	CCTAGCGACT	CTATAAGAGG	GTATTACCGT
5401	AAAAAATAGG	CAGTTTGATG	TGACCTGTTT	AGTGTGGCTC	TCCTCTTTTG	AGCATGTGTT
	TTTTTTATCC	GTCAAACCTAC	ACTGGACAAA	TCACACCGAG	AGGAGAAAAC	TCGTACACAA

Figure 15 (con't)

PDE10a and RACEs compiled

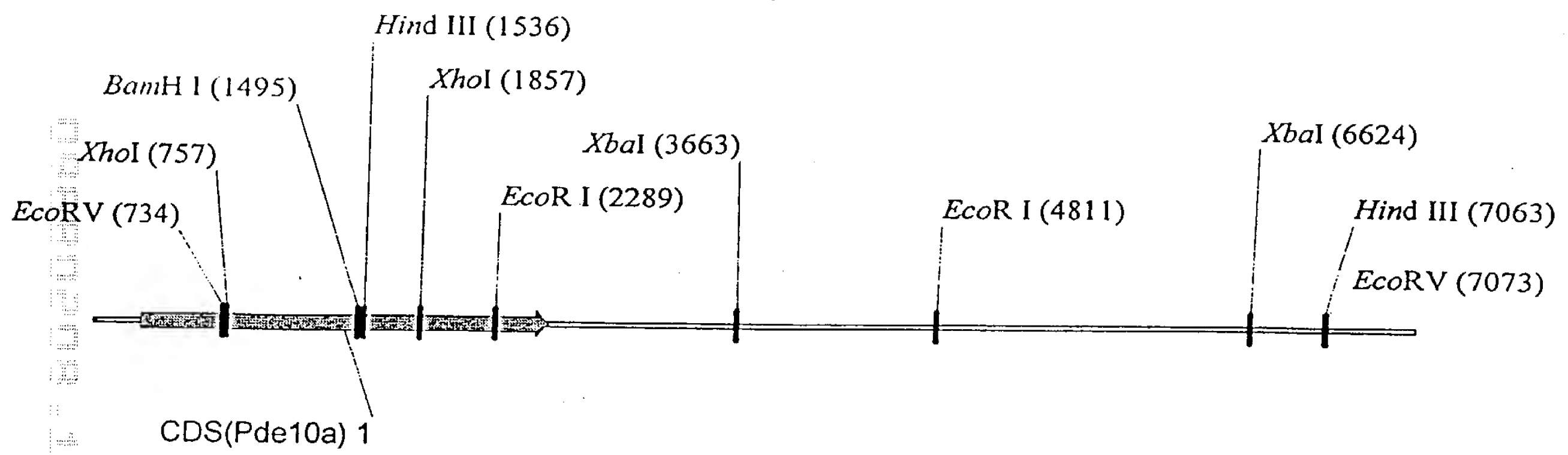
5461	AGCATTTTTTA	TTTTATACTC	ATCCAGTGAA	CTCTGCTCTT	CCAAGTGTGT	TCATGTATGT
	TCGTAAAAAT	AAAATATGAG	TAGGTCACCT	GAGACGAGAA	GGTTCACACA	AGTACATACA
5521	GCTAGATATA	TTAGCACAGC	CTGCCTTCTG	CTGCACAACG	CCTTAGAGAC	CCGGCCTTTC
	CGATCTATAT	AATCGTGTCG	GACGGAAGAC	GACGTGTTGC	GGAATCTCTG	GGCCGGAAAG
5581	AATGAGCTTA	GCTTGTGCTC	TGTTTCTGCT	CTCTTAGGTC	TAAACTATGG	TGTCAGTTTT
	TTACTCGAAT	CGAACACGAG	ACAAAGACGA	GAGAATCCAG	ATTTGATACC	ACAGTCAAAA
5641	AATAGAACAA	AAGTATGCAT	CTTGCCTTGG	CTTGAGCCTT	TTCGTTTTCA	ATGCTGACTT
	TTATCTTGTT	TTCATACGTA	GAACGGAACC	GAAGTCGGAA	AAGCAAAAGT	TACGACTGAA
5701	CTCCCCCTTC	TCTCCTGTGC	TCACCTTACC	TTTCCAGAGT	GTAAGGGACA	ACTTTTAAGG
	GAGGGGAAAG	AGAGGACACG	AGTGGAATGG	AAAGGTCTCA	CATTCCCTGT	TGAAAATTCC
5761	AGGCGTGTCC	CTGGTAGGGG	CATCCCTGTT	CACCAGGTGC	CTGTCATCAC	CCCCTTGAC
	TCCGCACAGG	GACCATCCCC	GTAGGGACAA	GTGGTCCACG	GACAGTAGTG	GGGTGAACTG
5821	TGACATCTAC	CCTGGTGACT	ATGGGTTCCT	CTTGTTTGTA	GGGAACGGTG	GCTCCAGGTG
	ACTGTAGATG	GGACCACTGA	TACCCAAGGA	GAACAAACAT	CCCTTGCCAC	CGAGGTCCAC
5881	GAGGCATCAA	TCTGTTGGGT	TCTGGTTCCC	GGCTGCCTTT	GGTTTTGAAA	GTCTCTTCTC
	CTCCGTAGTT	AGACAACCCA	AGACCAAGGG	CCGACGGAAA	CCAAAACCTT	CAGAGAAGAG
5941	TGTATATTCC	TACCCTGCAT	TTGCTTTGTG	TGGTGCTGAT	GCTGTGGCAG	TAGGATCTTG
	ACATATAAGG	ATGGGACGTA	AACGAAACAC	ACCACGACTA	CGACACCGTC	ATCCTAGAAC
6001	GATGACTCTC	CATCAGTCAC	AGACTCCCCC	TGTTGCAAAG	TGTCAGGCTG	ACTCGACAGT
	CTACTGAGAG	GTAGTCAGTG	TCTGAGGGGG	ACAACGTTTC	ACAGTCCGAC	TGAGCTGTCA
6061	CACCGTAAAA	TCTGAGTCAG	TCACACACAG	GCTGTCAGCC	ACGGCTTCCA	CTTGCAATGGC
	GTGGCATTTC	AGACTCAGTC	AGTGTGTGTC	CGACAGTCGG	TGCCGAAGGT	GAACGTACCG
6121	TATTCTATTT	TCACACGTGA	GTTTCTGTTG	CTGGCTGGCT	GACTGGCATT	ATCTATGCTA
	ATAAGATAAA	AGTGTGCACT	CAAAGACAAC	GACCGACCGA	CTGACCGTAA	TAGATACGAT
6181	AGTTGAAATC	AGGAGTGTGC	CCAGCAGAGC	CCATCATTCT	CACTGTCTTT	GAAACAAAGC
	TCAACTTTAG	TCCTCACACG	GGTCGTCTCG	GGTAGTAAGA	GTGACAGAAA	CTTTGTTTCG
6241	TGTACGGTTT	GATCGATGAA	CGTATTTAAA	GCATTTTCATG	CAATGACAAA	GTGCTCAGTA
	ACATGCCAAA	CTAGCTACTT	GCATAAATTT	CGTAAAGTAC	GTTACTGTTT	CACGAGTCAT
6301	GTGGAAGGCA	GGCTGTGACC	AGTCTGCCTG	CTCCTTACTA	TAATTGTGAG	GATTTGTTAC
	CACCTTCCGT	CCGACACTGG	TCAGACGGAC	GAGGAATGAT	ATTAACACTC	CTAAACAATG
6361	TGGAACAGTA	CATGGAGGCC	TGACCTTGTG	GGGGCACAGG	GTGGAACCTT	AGCTGAATAT
	ACCTTGTCAT	GTACCTCCGG	ACTGGAACAC	CCCCGTGTCC	CACCTTGGA	TCGACTTATA
6421	AGTGTGTGTC	TCAAGAGGAA	GTCAGGGTAC	TAGCTCAGTG	CTCAATCTCC	AGGTACTATA
	TCACACACAG	AGTTCTCCTT	CAGTCCCATG	ATCGAGTCAC	GAGTTAGAGG	TCCATGATAT
6481	TATACATTTG	CCCGTTTTAT	CTCTAATGTG	AAATAAATCC	CCAAACACTT	GTTTATCGTG
	ATATGTAAAC	GGGCAAAATA	GAGATTACAC	TTTATTTAGG	GGTTTGTGAA	CAAATAGCAC
6541	TAGCGTACCT	AAAAGACTAT	TCTATTATGG	GTGTCCCCAC	TTTCTTGTTT	TGGTCACCCC
	ATCGCATGGA	TTTTCTGATA	AGATAATACC	CACAGGGGTG	AAAGAACCAA	ACCAGTGGGG
			XbaI ~~~~~			
6601	GATCCCCCGG	TCTTCTGCTG	TATCTAGAAC	AGTGACTATA	AATGATGTAT	GGGAATAGTG
	CTAGGGGGCC	AGAAGACGAC	ATAGATCTTG	TCAGTATAT	TTACTACATA	CCCTTATCAC
6661	TTTCCATATG	ATCTGTTGTC	TGGAGTATAT	GCTACATGTT	CATTTACTGT	ACAAAAACCC
	AAAGGTATAC	TAGACAACAG	ACCTCATATA	CGATGTACAA	GTAAATGACA	TGTTTTTGGG
6721	AGTGCAGCTG	ATGATGCAAA	GCAGTCTCTC	TCTGTGTACA	GTGCCCCACC	TATTTAAAAA
	TCACGTCGAC	TACTACGTTT	CGTCAGAGAG	AGACACATGT	CACGGGGTGG	ATAAATTTTT
6781	TCACGTACAA	NCCCAGAACA	CTGTGAAACA	CTTAACATAA	GAAACAAACG	CAGCGTCTGG
	AGTGCATGTT	NGGGTCTTGT	GACACTTTGT	GAATTGTATT	CTTTGTTTGC	GTCGCAGACC

Figure 15 (con't)

PDE10a and RACEs compiled

6841	ATTCTTTCCA	AGGAGAGCAG	CTTTCTCCAC	AGGAACACAG	TAACAAAAGA	GGTCCGCCGC
	TAAGAAAGGT	TCCTCTCGTC	GAAAGAGGTG	TCCTTGTGTC	ATTGTTTTCT	CCAGGCGGCG
6901	CATCCACACC	CAGCCAAGAC	ACCTCAGAGG	CCATAGGGAC	AACCTCCTTG	CTGGCCAACA
	GTAGGTGTGG	GTCGGTTCTG	TGGAGTCTCC	GGTATCCCTG	TTGGAGGAAC	GACCGGTTGT
6961	CCTGCTGGAG	CAGGGCACAG	GTCCCAGCAA	CTGATCCTCA	GTGGATGGGT	CCGCAGTCAA
	GGACGACCTC	GTCCCGTGTC	CAGGGTCGTT	GACTAGGAGT	CACCTACCCA	GGCGTCAGTT
					HindIII	EcoRV
7021	AGCCTTAATG	GGCTCTCTTT	TGAAGGGGAA	AGAAANNNTT	CAAGCTTATG	ATATCCAACA
	TCGGAATTAC	CCGAGAGAAA	ACTTCCCCTT	TCTTTNNAAG	GTTCTGAATC	TATAGGTTGT
7081	TTATTATAGT	TGATGAGTTA	GTAAATTCCG	AAAAAAAAAG	ATGATTTTAT	ATGTATGACA
	AATAATATCA	ACTACTCAAT	CATTTAAGGC	TTTTTTTTTC	TACTAAAATA	TACATACTGT
7141	TAAAAAAAAT	CTTTGTAAAG	TGCGCAAGTG	CAATAATTTA	AAGAGGTCTT	ATCTTTGCAT
	ATTTTTTTTA	GAAACATTTT	ACGCGTTCAC	GTTATTAAAT	TTCTCCAGAA	TAGAAACGTA
7201	TTATAAATTA	TAAATATTGT	ACATGTGTGT	AATTTTTTCAT	GTATTCATTT	GCAGTCTTTG
	AATATTTAAT	ATTTATAACA	TGTACACACA	TTAAAAAGTA	CATAAGTAAA	CGTCAGAAAC
7261	TATTTAAAAA	AACTTTACTG	TTATGTTTGT	ATAATAGAAC	ATTAATCATT	TATTATAACT
	ATAAATTTTT	TTGAAATGAC	AATACAAACA	TATTATCTTG	TAATTAGTAA	ATAATATTGA
7321	CAGACAAGGT	GTAAATAAAT	TCATAATTCA	AACAGCCAGT	ATATATGCAT	ATATGGGTGT
	GTCTGTTCCA	CATTTATTTA	AGTATTAAGT	TTGTCGGTCA	TATATACGTA	TATACCCACA
7381	TACATTGCAA	AAATCTCTAT	CTTTGTTCTA	TTCACATGCT	TAAAGAAGTA	AGAAATCTTT
	ATGTAACGTT	TTAGAGAGTA	GAAACAAGAT	AAGTGTACGA	ATTTCTTCAT	TCTTTAGAAA
7441	TGTGGATATG	TAATTATACA	TATAAAGTAT	ATATATATGT	ATGATACATG	AAATATATTT
	ACACCTATAC	ATTAATATGT	ATATTTTATA	TATATATACA	TACTATGTAC	TTTATATAAA
7501	AGAAATGTTT	ATAATTTTAA	TGGATATTCT	TTGGTGTGAA	TAATTGAATA	CAACATTTTT
	TCTTTACAAG	TATTAAAATT	ACCTATAAGA	AACCACACTT	ATTAACCTAT	GTTGTAAAAA
7561	AAAATGAAAA	AAAAAAAAAA	C			
	TTTTACTTTT	TTTTTTTTTT	G			

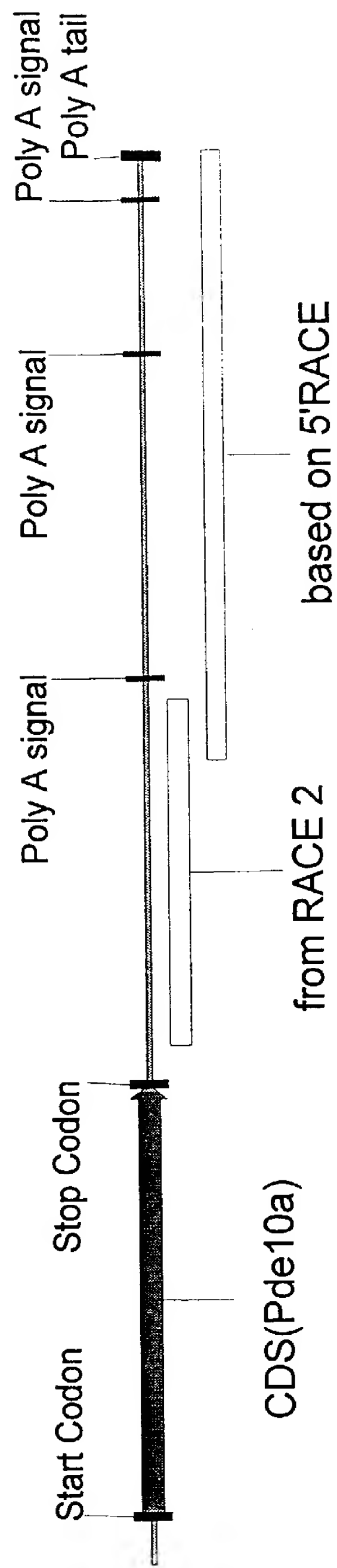
Figure 16



PDE10a and RACEs compiled
7581 bp

Figure 17

PDE10A compiled - coding sequence and features

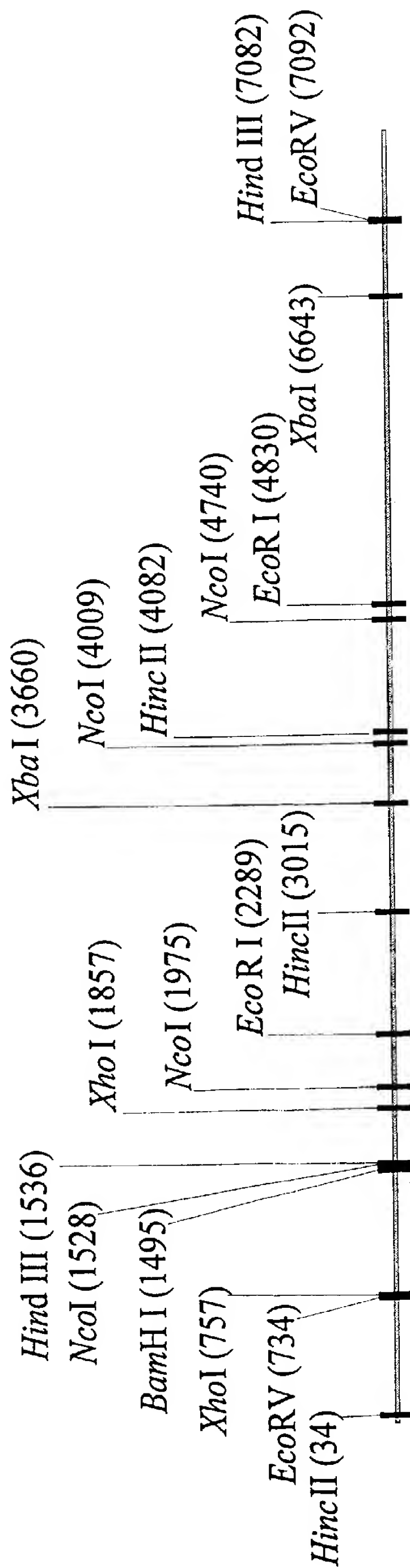


PDE10A compiled

7618 bp

Figure 18

PDE10A compiled - restriction sites



PDE10A compiled

7618 bp

Figure 19

PDE10A compiled

1	CGCCCGGGCA	GGTCTGTTGG	AGGGCAGTTG	GTCAACCTGA	CCAGAGAGAG	CTGAGCTGGA
	GCGGGCCCCGT	CCAGACAACC	TCCCGTCAAC	CAGTTGGACT	GGTCTCTCTC	GACTCGACCT
61	AGACCCCACT	GATGGTGTGC	TGCCTTTCAG	TCCAGGAAGA	AAGAAAGGAA	GGATTCTGAG
	TCTGGGGTGA	CTACCACACG	ACGGAAAGTC	AGGTCCTTCT	TTCTTTCCTT	CCTAAGACTC
121	GATTTGGGCA	AAGCCACATT	CCTGGAGAAG	TCTGTATACT	GATGCCAAAC	CCAAGAGCTG
	CTAAACCCGT	TTCGGTGTAA	GGACCTCTTC	AGACATATGA	CTACGGTTTG	GGTTCTCGAC
181	AGCTGCTGAT	GAGGCCCAGG	GAGTAGCCCA	CGCGCCCTGA	GCTGTTGGCT	AGCAAGGCCT
	TCGACGACTA	CTCCGGGTCC	CTCATCGGGT	GCGCGGGACT	CGACAACCGA	TCGTTCCGGA
241	TCCTGCTCCA	TGTGGCATGG	AAAAATTATA	TGGTTTGACG	GATGAAAAGG	TGAAGGCCTA
	AGGACGAGGT	ACACCGTACC	TTTTTAATAT	ACCAAACCTG	CTACTTTTCC	ACTTCCGGAT
301	TCTTTCTCTC	CATCCCCAGG	TATTAGATGA	ATTTGTTTCT	GAAAGTGTTA	GTGCAGAGAC
	AGAAAGAGAG	GTAGGGGTCC	ATAATCTACT	TAAACAAAGA	CTTTCACAAT	CACGTCTCTG
361	TGTGGAAAAG	TGGCTGAAGA	GGAAAACCAA	CAAAGCAAAA	GATGAACCAT	CTCCCAAGGA
	ACACCTTTTC	ACCGACTTCT	CCTTTTGGTT	GTTTCGTTTT	CTACTTGGTA	GAGGGTTCCT
421	AGTCAGCAGG	TACCAGGATA	CGAATATGCA	GGGAGTCGTG	TACGAGCTGA	ACAGCTACAT
	TCAGTCGTCC	ATGGTCCTAT	GCTTATACGT	CCCTCAGCAC	ATGCTCGACT	TGTCGATGTA
481	AGAGCAGCGC	CTGGACACGG	GCGGGGACAA	CCACCTGCTC	CTCTATGAGC	TCAGCAGCAT
	TCTCGTCGCG	GACCTGTGCC	CGCCCCTGTT	GGTGGACGAG	GAGATACTCG	AGTCGTCGTA
541	CATCAGGATA	GCCACAAAAG	CCGACGGATT	TGCACTGTAC	TTCCTTGGAG	AGTGCAATAA
	GTAGTCCTAT	CGGTGTTTTT	GGCTGCCTAA	ACGTGACATG	AAGGAACCTC	TCACGTTATT
601	TAGCCTGTGT	GTGTTTCATC	CACCCGGGAT	GAAGGAAGGC	CAACCCCGGC	TCATCCCTGC
	ATCGGACACA	CACAAGTATG	GTGGGGCCCTA	CTTCCTTCCG	GTTGGGGCCG	AGTAGGGACG
661	AGGGCCCATC	ACCCAGGGTA	CCACCATCTC	TGCCTACGTG	GCCAAGTCTA	GGAAGACGTT
	TCCCGGGTAG	TGGGTCCCAT	GGTGGTAGAG	ACGGATGCAC	CGGTTCAGAT	CCTTCTGCAA
721	GTTGGTAGAG	GATATCCTTG	GGGATGAGCG	ATTCCTCGA	GGTACTGGCC	TGGAATCAGG
	CAACCATCTC	CTATAGGAAC	CCCTACTCGC	TAAAGGAGCT	CCATGACCGG	ACCTTAGTCC
781	AACCCGCATC	CAGTCTGTTC	TTTGCTTGCC	CATTGTCACT	GCCATTGGAG	ACTTGATTGG
	TTGGGCGTAG	GTCAGACAAG	AAACGAACGG	GTAACAGTGA	CGGTAACCTC	TGAACATAAC
841	CATCCTTGAA	CTGTACAGGC	ACTGGGGCAA	AGAGGCCTTC	TGCCTCAGCC	ATCAGGAGGT
	GTAGGAACTT	GACATGTCCG	TGACCCCGTT	TCTCCGGAAG	ACGGAGTCGG	TAGTCCTCCA
901	TGCAACAGCC	AATCTTGCTT	GGGCTTCCGT	AGCAATACAC	CAGGTGCAGG	TGTGTAGAGG
	ACGTTGTCGG	TTAGAACGAA	CCCGAAGGCA	TCGTTATGTG	GTCCACGTCC	ACACATCTCC
961	TCTCGCCAAA	CAGACCGAAC	TGAATGACTT	CCTACTCGAC	GTATCAAAGA	CATACTTTGA
	AGAGCGGTTT	GTCTGGCTTG	ACTTACTGAA	GGATGAGCTG	CATAGTTTCT	GTATGAAACT
1021	TAACATAGTT	GCCATAGACT	CTCTACTTGA	ACACATCATG	ATATATGCAA	AAAATCTAGT
	ATTGTATCAA	CGGTATCTGA	GAGATGAACT	TGTGTAGTAC	TATATACGTT	TTTTAGATCA
1081	GAACGCCGAC	CGCTGCGCGC	TCTTCCAGGT	GGACCACAAG	AACAAGGAGC	TGTACTCGGA
	CTTGCGGCTG	GCGACGCGCG	AGAAGGTCCA	CCTGGTGTTC	TTGTTCCCTCG	ACATGAGCCT
1141	CCTGTTTGAC	ATTGGGGAGG	AGAAGGAGGG	GAAGCCCATC	TTCAAGAAGA	CCAAGGAGAT
	GGACAAACTG	TAACCCCTCC	TCTTCCTCCC	CTTCGGGTAG	AAGTTCTTCT	GGTTCCTCTA
1201	CAGATTTTCC	ATTGAGAAAG	GGATTGCTGG	TCAAGTGGCA	AGAACAGGCG	AAGTCTTGAA
	GTCTAAAAGG	TAACTCTTTC	CCTAACGACC	AGTTCACCGT	TCTTGTCCGC	TTCAGAACTT
1261	CATTCCCGAT	GCCTACGCGG	ACCCTCGCTT	TAACAGGGAG	GTGGACCTGT	ACACAGGCTA
	GTAAGGGCTA	CGGATGCGCC	TGGGAGCGAA	ATTGTCCCTC	CACCTGGACA	TGTGTCCGAT
1321	CACCACGAGG	AACATTCTGT	GTATGCCCAT	AGTGAGCCGA	GGCAGCGTGA	TTGGCGTGGT
	GTGGTGCTCC	TTGTAAGACA	CATACGGGTA	TCACTCGGCT	CCGTGCGACT	AACCGCACCA

Figure 19 (con't)

PDE10A compiled

1381	GCAGATGGTG	AACAAGATCA	GCGGTAGCGC	CTTCTCCAAG	ACAGACGAGA	ACAACTTCAA
	CGTCTACCAC	TTGTTCTAGT	CGCCATCGCG	GAAGAGGTTC	TGTCTGCTCT	TGTTGAAGTT
1441	GATGTTTGCT	GTCTTCTGCG	CACTGGCCTT	GCACTGTGCT	AACATGTACC	ACAGGATCCG
	CTACAAACGA	CAGAAGACGC	GTGACCGGAA	CGTGACACGA	TTGTACATGG	TGTCCTAGGC
1501	CCACTCAGAA	TGCATCTACA	GGGTTACCAT	GGAGAAGCTT	TCCTACCACA	GCATCTGCAC
	GGTGAGTCTT	ACGTAGATGT	CCCAATGGTA	CCTCTTCGAA	AGGATGGTGT	CGTAGACGTG
1561	CTCCGAGGAG	TGGCAAGGCC	TCATGCGCTT	CAACCTACCA	GCACGCATCT	GCCGGGACAT
	GAGGCTCCTC	ACCGTTCCGG	AGTACGCGAA	GTTGGATGGT	CGTGCGTAGA	CGGCCCTGTA
1621	CGAGCTATTC	CACTTTTGACA	TTGGTCCTTT	CGAGAACATG	TGGCCTGGGA	TCTTTGTCTA
	GCTCGATAAG	GTGAAACTGT	AACCAGGAAA	GCTCTTGTA	ACCGGACCCT	AGAAACAGAT
1681	CATGATCCAT	CGGTCTTG TG	GGACATCCTG	TTTTGAACTT	GAAAAATTGT	GCCGTTTTAT
	GTACTAGGTA	GCCAGAACAC	CCTGTAGGAC	AAAAC TTGAA	CTTTT TAACA	CGGCAAAATA
1741	CATGTCTGTG	AAGAAGAACT	ATCGGCGGGT	TCCTTACCAC	AACTGGAAGC	ATGCAGTCAC
	GTACAGACAC	TTCTTCTTGA	TAGCCGCCCA	AGGAATGGTG	TTGACCTTCG	TACGTCAGTG
1801	GGTGGCACAC	TGCATGTATG	CCATACTTCA	AAACAACAAT	GGCCTCTTCA	CAGACCTCGA
	CCACCGTGTG	ACGTACATAC	GGTATGAAGT	TTTGTTGTTA	CCGGAGAAGT	GTCTGGAGCT
1861	GCGCAAAGGC	CTGCTAATTG	CGTGTCTGTG	CCATGACCTG	GACCACAGGG	GCTTCAGTAA
	CGCGTTTCCG	GACGATTAAC	GCACAGACAC	GGTACTGGAC	CTGGTGTCCC	CGAAGTCATT
1921	CAGCTACCTG	CAGAAGTTCG	ACCACCCCCT	GGCGGCGCTG	TACTCCACCT	CCACCATGGA
	GTCGATGGAC	GTCTTCAAGC	TGGTGGGGGA	CCGCCGCGAC	ATGAGGTGGA	GGTGGTACCT
1981	GCAACACCAC	TTCTCCCAGA	CGGTGTCCAT	CCTTCAGCTG	GAAGGGCACA	ATATCTTCTC
	CGTTGTGGTG	AAGAGGGTCT	GCCACAGGTA	GGAAGTCGAC	CTTCCC GTGT	TATAGAAGAG
2041	CACCCTGAGC	TCCAGCGAGT	ACGAGCAGGT	GCTGGAGATC	ATCCGCAAAG	CCATCATCGC
	GTGGGACTCG	AGGTCGCTCA	TGCTCGTCCA	CGACCTCTAG	TAGGCGTTTC	GGTAGTAGCG
2101	CACCGACCTC	GCCCTATACT	TTGGGAACAG	GAAGCAGTTG	GAGGAGATGT	ACCAGACAGG
	GTGGCTGGAG	CGGGATATGA	AACCCTTGTC	CTTCGTCAAC	CTCCTCTACA	TGGTCTGTCC
2161	GTCGCTGAAC	CTCCACAACC	AGTCCCATCG	AGACCGTGTC	ATCGGCTTGA	TGATGACTGC
	CAGCGACTTG	GAGGTGTTGG	TCAGGGTAGC	TCTGGCACAG	TAGCCGAACT	ACTACTGACG
2221	CTGTGATCTT	TGCTCTGTGA	CCAAACTATG	GCCAGTTACA	AAATTGACAG	CGAATGATAT
	GACACTAGAA	ACGAGACACT	GGTTTGATAC	CGGTCAATGT	TTTAACTGTC	GCTTACTATA
2281	ATATGCAGAA	TTCTGGGCTG	AGGGTGATGA	GATGAAGAAG	CTGGGCATAC	AGCCCATTC
	TATACGTCTT	AAGACCCGAC	TCCCACTACT	CTACTTCTTC	GACCCGTATG	TCGGGTAAGG
2341	TATGATGGAC	AGAGACAAGC	GAGATGAAGT	CCCTCAAGGG	CAGCTCGGAT	TCTACAATGC
	ATACTACCTG	TCTCTGTTTC	CTCTACTTCA	GGGAGTTCCC	GTCGAGCCTA	AGATGTTACG
2401	TGTGGCCATT	CCCTGCTATA	CCACCTTGAC	GCAGATCCTC	CCACCCACAG	AGCCTCTGCT
	ACACCGGTAA	GGGACGATAT	GGTGGAAC TG	CGTCTAGGAG	GGTGGGTGTC	TCGGAGACGA
2461	GAAGGCCTGC	AGGGATAACC	TCAATCAGTG	GGAGAAGGTA	ATTCGCGGGG	AAGAGACAGC
	CTTCCGGACG	TCCCTATTGG	AGTTAGTCAC	CCTCTTCCAT	TAAGCGCCCC	TTCTCTGTCC
2521	AATGTGGATT	TCAGGCCCCAG	GCCCGGCGCC	TAGCAAGAGC	ACACCTGAGA	AGCTGAACGT
	TTACACCTAA	AGTCCGGGTC	CGGGCCGCGG	ATCGTTCTCG	TGTGGACTCT	TCGACTTGCA
2581	GAAGGTTGAA	GACTGATCCT	GAAGTGACGT	CCTGATGTCT	GCCCAGCAAC	CGACTCAACC
	CTTCCAAC TT	CTGACTAGGA	CTTCACTGCA	GGACTACAGA	CGGGTCGTTG	GCTGAGTTGG
2641	TGCTTCTGTG	ACTTCGTTCT	TTTTGTTTTT	AAGGGGTGAA	AACCCCTGT	CAGAAGGTAC
	ACGAAGACAC	TGAAGCAAGA	AAAACAAAAG	TTCCCCACTT	TTGGGGGACA	GTCTTCCATG
2701	CGTCGCATAT	CCATGTGAAG	CAGACGACTC	CCTGCTTGCC	GCACACACCT	CGGACAGTGA
	GCAGCGTATA	GGTACACTTC	GTCTGCTGAG	GGACGAACGG	CGTGTGTGGA	GCCTGTCACT

Figure 19 (con't)

PDE10A compiled

2761	GCAACCCAGG	CTCTGCCGTG	TTCAGACGTC	GGCTACTCCG	TGGCTCCACC	TGACCTCCGA
	CGTTGGGTCC	GAGACGGCAC	AAGTCTGCAG	CCGATGAGGC	ACCGAGGTGG	ACTGGAGGCT
2821	ATGCTATTTG	CTCCCAGGCC	AGCACTGCAC	TGTCTGGAGG	GGGCAGAGAC	CACAGGAGAG
	TACGATAAAC	GAGGGTCCGG	TCGTGACGTG	ACAGACCTCC	CCCGTCTCTG	GTGTCCTCTC
2881	GTTCTTGCCT	GCATCCTCCC	ATGAGGGTGT	GGCCAGTTCC	CTAGTTCTGT	GCCATGCTGC
	CAAGAACGGA	CGTAGGAGGG	TACTCCCACA	CCGGTCAAGG	GATCAAGACA	CGGTACGACG
2941	TGCTTGGTGG	CATTGGTTAG	GAATGGGACA	CACGCCCTT	GTTGTGAAGT	TTACATGTGA
	ACGAACCACC	GTAACCAATC	CTTACCCTGT	GTGCGGGGAA	CAACACTTCA	AATGTACACT
3001	CCTTCTTATA	GGTAACTGA	GTTTGTGGCC	TGGGACACAT	GTAATGAAGG	TCACAGTCCA
	GGAAGAATAT	CCAATTGACT	CAAACACCGG	ACCCTGTGTA	CATTACTTCC	AGTGTGAGGT
3061	CAGGTGACAG	AGAAATCCAA	ACTGTTGATT	ACAGGTGCAC	TACAGGTATG	CTCTTTCAGT
	GTCCACTGTC	TCTTTAGGTT	TGACAACTAA	TGTCCACGTG	ATGTCCATAC	GAGAAAGTCA
3121	CTATCTGGGG	GCACATAGGT	GAGTCTGCTC	CACTCAGAAG	GAAGCATACC	TCTSCCCTCA
	GATAGACCCC	CGTGTATCCA	CTCAGACGAG	GTGAGTCTTC	CTTCGTATGG	AGASGGGAGT
3181	TCCAGGGGAC	ACAGGGTACA	TCCCAGGCAT	CGGGGAACTG	AAGCTCTCAC	TTCAAACCAT
	AGGTCCCCTG	TGTCCCATGT	AGGGTCCGTA	GCCCCTTGAC	TTGAGAGGTG	AAGTTTGGTA
3241	GTCAAAGAAT	TAAAACACCT	CCCCTCCCCC	TCACTGTAGC	CTTCGGCAAC	TGCGCCAATC
	CAGTTTCTTA	ATTTTGTGGA	GGGGAGGGGG	AGTGACATCG	GAAGCCGTTG	ACGCGGTTAG
3301	CCTTTATACA	AAGAAAATAT	AAGTAAGGCA	TATAAATTTT	CTCCAGCAAG	CAAATCTTGT
	GGAAATATGT	TTCTTTTATA	TTCATTCCGT	ATATTTAAAG	GAGGTCGTTT	GTTTAGAACA
3361	GGGTAAAAAA	AAAAAATGTG	AATTTTAACA	ACCTCTATAT	TTTCACTGTA	TGTTATGGCA
	CCCATTTTTT	TTTTTTACAC	TTAAAATTGT	TGGAGATATA	AAAGTGACAT	ACAATACCGT
3421	GAATTTTAGT	CACGTCCAAA	ACAAAAGATT	ATTCCAGAAG	ATACCTCATC	CTATGCCTGA
	CTTAAAATCA	GTGCAGGTTT	TGTTTTCTAA	TAAGGTCTTC	TATGGAGTAG	GATACGGACT
3481	AAGCTCCACA	GCATGGCGTC	CGTCTCCCAG	GGTCTGATC	CGTCTCCTCA	CGGTGCAATC
	TTCGAGGTGT	CGTACCGCAG	GCAGAGGGTC	CCAAGACTAG	GCAGAGGAGT	GCCACGTTAG
3541	AGGCAGGACA	GGAGGAGGTG	CAGGGCTACC	ACATTGACCC	AGATGGTATC	TCCTCTCACC
	TCCGTCCTGT	CCTCCTCCAC	GTCCCGATGG	TGTAAGTGGG	TCTACCATAG	AGGAGAGTGG
3601	ATTCAGACAT	CCATAAGGAA	TGCCAAATGC	TGTATTGAAT	AGTTCTCCTG	TGTGACTTTC
	TAAGTCTGTA	GGTATTCTCT	ACGGTTTACG	ACATAACTTA	TCAAGAGGAC	ACACTGAAAG
3661	TAGAGAAGCC	AGGACACCCC	TGAGCCTTTC	CTGGGAAGTC	CTAAGGAAGT	CACAGGTTCA
	ATCTCTTCGG	TCCTGTGGGG	ACTCGGAAAG	GACCCTTGAG	GATTCTTCA	GTGTCCAAGT
3721	CACCGTGGGG	ATTTTCAGGA	TAGCATGGAG	ACCAGAGAAT	CCCGGTTTCG	TTGTTCTCAC
	GTGGCACCCC	TAAAAGTCCT	ATCGTACCTC	TGGTCTCTTA	GGGCCAAGCC	AACAAGAGTG
3781	TCGGTGAGCC	TTGAGAAGGA	AGAGACTGAC	CAGAAACACT	CACTCAGCAC	TCTGGCAGGA
	AGCCACTCGG	AACTCTTCCT	TCTCTGACTG	GTCTTTGTGA	GTGAGTCGTG	AGACCGTCCT
3841	GCAGGAGAAG	ATACTTTAAG	ATGAATCTTT	GGGATAGATT	TTGATACACC	CAATACCATA
	CGTCCTCTTC	TATGAAATTC	TACTTAGAAA	CCCTATCTAA	AACTATGTGG	GTTATGGTAT
3901	CACACAGGAG	CTTGGCATT	GCAAAGTCTA	TTCAGTTTCC	TTCCACACTC	TGACCCACGG
	GTGTGTCCTC	GAACCGTAAA	CGTTTCAGAT	AAGTCAAAGG	AAGGTGTGAG	ACTGGGTGCC
3961	TTGTAGCGGA	GTGGGCTGAA	CACTGTAACA	CTGTACATGC	GATTTCCCCA	TGGGCTTCTA
	AACATCGCCT	CACCCGACTT	GTGACATTGT	GACATGTACG	CTAAAGGGGT	ACCCGAAGAT
4021	AAATGTCACC	ATCTCCTCCC	CTGCTGTGTC	CTACTCCATT	TACTGGTTAC	AAGGTGATGT
	TTTACAGTGG	TAGAGGAGGG	GACGACACAG	GATGAGGTAA	ATGACCAATG	TTCCACTACA
4081	CAACAAGAGA	AGCTATCACA	ACACCAGGGC	TGTGCACACG	TGCACACACA	TGTATGCACA
	GTTGTTCTCT	TCGATAGTGT	TGTGGTCCCG	ACACGTGTGC	ACGTGTGTGT	ACATACGTGT

Figure 19 (con't)

PDE10A compiled

4141	AGCACACAGA	TGTATGTACA	GCACACACAC	ACACACACAC	CCCAAAAGGA	GAGAAAAGGA
	TCGTGTGTCT	ACATACATGT	CGTGTGTGTG	TGTGTGTGTG	GGGTTTTCT	CTCTTTTCT
4201	AGAAAACATT	TATAAAAAGC	GACAGCTACC	CCCATATTCA	AAAATAGTTC	TTTTCCCTGT
	TCTTTTGTA	ATATTTTTCG	CTGTCGATGG	GGGTATAAGT	TTTTATCAAG	AAAAGGGACA
4261	AGGGAAACAG	GTAGCTCTCC	ATAAGGAAAT	TATCATGAGT	GTGTTCTCCC	ATCAGTGCAC
	TCCCTTTGTC	CATCGAGAGG	TATTCCTTTA	ATAGTACTCA	CACAAGAGGG	TAGTCACGTG
4321	TTCTCCCAGG	GGTGCTCACT	GAAGCTGGTC	CACGTCTATA	AACAGGTGAC	ACTGGCTGCA
	AAGAGGGTCC	CCACGAGTGA	CTTCGACCAG	GTGCAGATAT	TTGTCCACTG	TGACCGACGT
4381	GCAAAAAGCC	ATTCGATCCA	CACAAATTGA	TCTTCTATCA	TCTTGGAATC	TGAATTGCAG
	CGTTTTTCGG	TAAGCTAGGT	GTGTTTAACT	AGAAGATAGT	AGAACCTTAG	ACTTAACGTC
4441	GGAGGAGCAG	CATGTAAGAC	GACCGTTTAA	TTCAGGCATT	CCGAAGGCAT	GAGCGCATGG
	CCTCCTCGTC	GTACATTCTG	CTGGCAAATT	AAGTCCGTAA	GGCTTCCGTA	CTCGCGTACC
4501	ATTCTGTCAC	CAAGCGTATA	AAAGGACCCT	GGCATTGGGA	AACCTATGAC	GGACTGTTTT
	TAAGACAGTG	GTTGCGATAT	TTTCCTGGGA	CCGTAACCCT	TTGGATACTG	CCTGACAAAA
4561	TGCTGTAGAA	GTAGGGATTT	TACAGAAGTC	TCCTTGGAAT	TGCCCTGCCT	GGGGCAGTTT
	ACGACATCTT	CATCCCTAAA	ATGTCTTCAG	AGGAACCTAA	ACGGGACGGA	CCCCGTCAAA
4621	TGCAGAGGAA	CCTGCCAGAG	ATTTATTGGC	TGGTCAGTCT	CTTGTGAAAT	AGTATCATGT
	ACGTCTCCTT	GGACGGTCTC	TAAATAACCG	ACCAGTCAGA	GAACACTTTA	TCATAGTACA
4681	GAGAAACAGT	TTGTAGAAAA	AAACTATACC	TGGGAAGACC	TTTGCAACAT	TGTTCTTCC
	CTCTTTGTCA	AACATCTTTT	TTTGATATGG	ACCCTTCTGG	AAACGTTGTA	ACAAGGAAGG
4741	ATGGGCCAAG	ACTCAGTTAG	GAGGCATAAA	TCTGCCCGGA	ATAAACTAGG	CCAGGATACA
	TACCCGGTTC	TGAGTCAATC	CTCCGTATTT	AGACGGGCCT	TATTTGATCC	GGTCCTATGT
4801	GCCATGTTTA	GTTAATAATT	TGGTTTTAGA	ATTCACACAG	GCAGGATTGG	TTTTTTTGTG
	CGGTACAAAT	CAATTATTAA	ACCAAAATCT	TAAGTGTGTC	CGTCCTAACC	AAAAAACAC
4861	TCTTGGCAAG	TGGAGCATAT	TTAACATACA	GGCATGGGAA	TCCTGCCTCT	TAGCTTTTCC
	AGAACCGTTC	ACCTCGTATA	AATTGTATGT	CCGTACCCTT	AGGACGGAGA	ATCGAAAAGG
4921	CACCCTCTTG	TCTCACCAG	TTTTTTCTCT	CCAAAGGTTT	CCAGGAATTT	CTCATTAATG
	GTGGGAGAAC	AGAGTGGTTC	AAAAAAGAGA	GGTTTCCAAA	GGTCCTTAAA	GAGTAATTAC
4981	GCTGATGCAA	ACTTAGTGAA	TAATAATGAA	TATAACAAT	GCTCACCTCA	CCAAAATTAT
	CGACTACGTT	TGAATCACTT	ATTATTACTT	ATATTTGTTA	CGAGTGGAGT	GGTTTTAATA
5041	ATTATTTGCA	GTCATTTGTG	ATAACACAAA	TTTTATCGCA	ATGGTTATTA	TTTAATTTGT
	TAATAAACGT	CAGTAAACAC	TATTGTGTTT	AAAATAGCGT	TACCAATAAT	AAATTAAACA
5101	GGCCACACAC	TGTGGTTATC	TTTTGTTGTG	GTTGTTTCTG	AGAAAATGTT	CTTGATATG
	CCGGTGTGTG	ACACCAATAG	AAAACAACAC	CAACAAAGAC	TCTTTTACAA	GAACCTATAC
5161	TAAGTGCCAA	TACCAGTGTG	AAGTATTGAT	CCCGGGCAGC	AAAATACAGC	CTAAGGTTTG
	ATTCACGGTT	ATGGTCACAC	TTCATAACTA	GGGCCCGTCG	TTTTATGTCT	GATTCCAAAC
5221	TAAACATCAA	TTCTATCTCA	GTTTCATCAGA	GGGCCTGAGA	AGCTGCGGGG	CAGTGTAAG
	ATTTGTAGTT	AAGATAGAGT	CAAGTAGTCT	CCCGGACTCT	TCGACGCCCC	GTCACATTTT
5281	TAAAGTATGC	TGGGCTGGTG	GTGGTCAGCC	TCCCCTTGCC	AAGAAGAGAG	CAATTGAATC
	ATTTCATACG	ACCCGACCAC	CACCAGTCGG	AGGGGAACGG	TTCTTCTCTC	GTTAACTTAG
5341	CTGTCCCCAG	CTCCCTCCAC	GCCTGAAGAG	TGACCAAGTGC	TGGCCCGACG	GATCGCTGAG
	GACAGGGGTC	GAGGGAGGTG	CGGACTTCTC	ACTGGTCACG	ACCGGGCTGC	CTAGCGACTC
5401	ATATTCTCCC	ATAATGGCAA	AAAAATAGGC	AGTTTGATGT	GACCTGTTTA	GTGTGGCTCT
	TATAAGAGGG	TATTACCGTT	TTTTTATCCG	TCAAACCTACA	CTGGACAAAT	CACACCGAGA
5461	CCTCTTTTGA	GCATGTGTTA	GCATTTTAT	TTTATACTCA	TCCAGTGAAC	TCTGCTCTTC
	GGAGAAAAC	CGTACACAAT	CGTAAAAATA	AAATATGAGT	AGGTCACCTG	AGACGAGAAG

Figure 19 (con't)

PDE10A compiled

5521	CAAGTGTGTT	CATGTATGTG	CTAGATATAT	TAGCACAGCC	TGCCTTCTGC	TGCACAACGC
	GTTACACAA	GTACATACAC	GATCTATATA	ATCGTGTGCG	ACGGAAGACG	ACGTGTTGCG
5581	CTTAGAGACC	CGGCCTTTCA	ATGAGCTTAG	CTTGTGCTCT	GTTTCTGCTC	TCTTAGGTCT
	GAATCTCTGG	GCCGGAAAGT	TACTCGAATC	GAACACGAGA	CAAAGACGAG	AGAATCCAGA
5641	AAACTATGGT	GTCAGTTTTA	ATAGAACAAA	AGTATGCATC	TTGCCTTGGC	TTGAGCCTTT
	TTTGATACCA	CAGTCAAAAT	TATCTTGTTT	TCATACGTAG	AACGGAACCG	AACTCGGAAA
5701	TCGTTTTCAA	TGCTGACTTC	TCCCCTTTCT	CTCCTGTGCT	CACCTTACCT	TTCCAGAGTG
	AGCAAAAGTT	ACGACTGAAG	AGGGGAAAGA	GAGGACACGA	GTGGAATGGA	AAGGTCTCAC
5761	TAAGGGACAA	CTTTTAAGGA	GGCGTGTCCC	TGGTAGGGGC	ATCCCTGTTC	ACCAGGTGCC
	ATTCCCTGTT	GAAAATTCCT	CCGCACAGGG	ACCATCCCCG	TAGGGACAAG	TGGTCCACGG
5821	TGTCATCACC	CCACTTGACT	GACATCTACC	CTGGTGACTA	TGGGTTCCCTC	TTGTTTGTAG
	ACAGTAGTGG	GGTGAAGTGA	CTGTAGATGG	GACCACTGAT	ACCCAAGGAG	AACAAACATC
5881	GGAACGGTGG	CTCCAGGTGG	AGGCATCAAT	CTGTTGGGTT	CTGGTTCCCG	GCTGCCTTTG
	CCTTGCCACC	GAGGTCCACC	TCCGTAGTTA	GACAACCCAA	GACCAAGGGC	CGACGGAAAC
5941	GTTTTGAAAG	TCTCTTCTCT	GTATATTCCT	ACCCTGCATT	TGCTTTGTGT	GGTGCTGATG
	CAAACTTTC	AGAGAAGAGA	CATATAAGGA	TGGGACGTAA	ACGAAACACA	CCACGACTAC
6001	CTGTGGCAGT	AGGATCTTGG	ATGACTCTCC	ATCAGTCACA	GACTCCCCCT	GTTGCAAAGT
	GACACCGTCA	TCCTAGAACC	TACTGAGAGG	TAGTCAGTGT	CTGAGGGGGA	CAACGTTTCA
6061	GTCAGGCTGA	CTCGACAGTC	ACCGTAAAAT	CTGAGTCAGT	CACACACAGG	CTGTCAGCCA
	CAGTCCGACT	GAGCTGTCAG	TGGCATTTTA	GACTCAGTCA	GTGTGTGTCC	GACAGTCGGT
6121	CGGCTTCCAC	TTGCATGGCT	ATTCTATTTT	CACACGTGAG	TTTCTGTTGC	TGGCTGGCTG
	GCCGAAGGTG	AACGTACCGA	TAAGATAAAA	GTGTGCACTC	AAAGACAACG	ACCGACCGAC
6181	ACTGGCATT	TCTATGCTAA	GTTGAAATCA	GGAGTGTGCC	CAGCAGAGCC	CATCATTCTC
	TGACCGTAAT	AGATACGATT	CAACTTTAGT	CCTCACACGG	GTCGTCTCGG	GTAGTAAGAG
6241	ACTGTCTTTG	AAACAAAGCT	GTACGGTTTG	ATCGATGAAC	GTATTTAAAG	CATTTCATGC
	TGACAGAAAC	TTTGTTTCGA	CATGCCAAAC	TAGCTACTTG	CATAAATTTT	GTAAAGTACG
6301	AATGACAAAG	TGCTCAGTAG	TGGAAGGCAG	GCTGTGACCA	GTCTGCCTGC	TCCTTACTAT
	TTACTGTTTC	ACGAGTCATC	ACCTTCCGTC	CGACACTGGT	CAGACGGACG	AGGAATGATA
6361	AATTGTGAGG	ATTTGTTACT	GGAACAGTAC	ATGGAGGCCT	GACCTTGTGG	GGGCACAGGG
	TTAACACTCC	TAAACAATGA	CCTTGTCATG	TACCTCCGGA	CTGGAACACC	CCCGTGTCCC
6421	TGGAACCTTA	GCTGAATATA	GTGTGTGTCT	CAAGAGGAAG	TCAGGGTACT	AGCTCAGTGC
	ACCTTGGAAT	CGACTTATAT	CACACACAGA	GTTCTCCTTC	AGTCCCATGA	TCGAGTCACG
6481	TCAATCTCCA	GGTACTATAT	ATACATTTGC	CCGTTTTATC	TCTAATGTGA	AATAAATCCC
	AGTTAGAGGT	CCATGATATA	TATGTAAACG	GGCAAATAG	AGATTACACT	TTATTTAGGG
6541	CAAACACTTG	TTTATCGTGT	AGCGTACCTA	AAAGACTATT	CTATTATGGG	TGTCCCCACT
	GTTTGTGAAC	AAATAGCACA	TCGCATGGAT	TTTCTGATAA	GATAATACCC	ACAGGGGTGA
6601	TTCTTGTTT	GGTCACCCCG	ATCCCCCGGT	CTTCTGCTGT	ATCTAGAACA	GTGACTATAA
	AAGAACCAAA	CCAGTGGGGC	TAGGGGGCCA	GAAGACGACA	TAGATCTTGT	CACTGATATT
6661	ATGATGTATG	GGAATAGTGT	TTCCATATGA	TCTGTTGTCT	GGAGTATATG	CTACATGTTC
	TACTACATAC	CCTTATCACA	AAGGTATACT	AGACAACAGA	CCTCATATAC	GATGTACAAG
6721	ATTTACTGTA	CAAAAACCCA	GTGCAGCTGA	TGATGCAAAG	CAGTCTCTCT	CTGTGTACAG
	TAAATGACAT	GTTTTTGGGT	CACGTCGACT	ACTACGTTTC	GTCAGAGAGA	GACACATGTC
6781	TGCCCCACCT	ATTTAAAAAT	CACGTACAAN	CCCAGAACAC	TGTGAAACAC	TTAACATAAG
	ACGGGGTGGA	TAAATTTTTA	GTGCATGTTN	GGGTCTTGTC	ACACTTTGTG	AATTGTATTC
6841	AAACAAACGC	AGCGTCTGGA	TTCTTTCCAA	GGAGAGCAGC	TTTCTCCACA	GGAACACAGT
	TTTGTTTGCG	TCGCAGACCT	AAGAAAGGTT	CCTCTCGTCG	AAAGAGGTGT	CCTTGTGTCA

Figure 19 (con't)

PDE10A compiled

6901	AACAAAAGAG	GTCCGCCGCC	ATCCACACCC	AGCCAAGACA	CCTCAGAGGC	CATAGGGACA
	TTGTTTTCTC	CAGGCGGCGG	TAGGTGTGGG	TCGGTTCTGT	GGAGTCTCCG	GTATCCCTGT
6961	ACCTCCTTGC	TGGCCAAACAC	CTGCTGGAGC	AGGGCACAGG	TCCCAGCAAC	TGATCCTCAG
	TGGAGGAACG	ACCGGTTGTG	GACGACCTCG	TCCCGTGTCC	AGGGTCGTTG	ACTAGGAGTC
7021	TGGATGGGTC	CGCAGTCAAA	GCCTTAATGG	GCTCTCTTTT	GAAGGGGAAA	GAAANNTTTC
	ACCTACCCAG	GCGTCAGTTT	CGGAATTACC	CGAGAGAAAA	CTTCCCCTTT	CTTTNNAAAG
7081	AAGCTTATGA	TATCCAACAT	TATTATAGTT	GATGAGTTAG	TAAATTCCGA	AAAAAAAAGA
	TTCGAATACT	ATAGGTGTGA	ATAATATCAA	CTACTCAATC	ATTTAAGGCT	TTTTTTTTCT
7141	TGATTTTATA	TGTATGACAT	AAAAAAAATC	TTTGTAAGT	GCGCAAGTGC	AATAATTTAA
	ACTAAAATAT	ACATACTGTA	TTTTTTTTTAG	AAACATTTCA	CGCGTTCACG	TTATTAAATT
7201	AGAGGTCTTA	TCTTTGCATT	TATAAATTAT	AAATATTGTA	CATGTGTGTA	ATTTTTCATG
	TCTCCAGAAT	AGAAACGTAA	ATATTTAATA	TTTATAACAT	GTACACACAT	TAAAAAGTAC
7261	TATTCATTTG	CAGTCTTTGT	ATTTAAAAAA	ACTTTACTGT	TATGTTTGTA	TAATAGAACA
	ATAAGTAAAC	GTCAGAAACA	TAAATTTTTT	TGAAATGACA	ATACAAACAT	ATTATCTTGT
7321	TTAATCATTT	ATTATAACTC	AGACAAGGTG	TAAATAAATT	CATAATTCAA	ACAGCCAGTA
	AATTAGTAAA	TAATATTGAG	TCTGTTCCAC	ATTTATTTAA	GTATTAAGTT	TGTCGGTCAT
7381	TATATGCATA	TATGGGTGTT	ACATTGCAAA	AATCTCTATC	TTTGTTCTAT	TCACATGCTT
	ATATACGTAT	ATACCCACAA	TGTAACGTTT	TTAGAGATAG	AAACAAGATA	AGTGTACGAA
7441	AAAGAAGTAA	GAAATCTTTT	GTGGATATGT	AATTATACAT	ATAAAGTATA	TATATATGTA
	TTTCTTCATT	CTTTAGAAAA	CACCTATACA	TTAATATGTA	TATTTCATAT	ATATATACAT
7501	TGATACATGA	AATATATTTA	GAAATGTTCA	TAATTTTAAT	GGATATTCTT	TGGTGTGAAT
	ACTATGTACT	TTATATAAAT	CTTTACAAGT	ATTAAAATTA	CCTATAAGAA	ACCACACTTA
7561	AATTGAATAC	AACATTTTTA	AAATGAAAAA	AAAAAAAAAA	AAAAAAAAAA	AAAAAAAAAA
	TTAACTTATG	TTGTAAAAAT	TTTACTTTTT	TTTTTTTTTT	TTTTTTTTTT	TTTTTTTTTT